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*S.P. Schultz*

# United States National Museum

## 1957 ANNUAL REPORT





# The United States National Museum

*Annual Report for the Year Ended  
June 30, 1957*



SMITHSONIAN INSTITUTION

UNITED STATES NATIONAL MUSEUM,  
UNDER DIRECTION OF THE SMITHSONIAN INSTITUTION,  
*Washington, D. C., August 15, 1957.*

SIR: I have the honor to submit herewith a report upon the present condition of the United States National Museum and upon the work accomplished in its various departments during the fiscal year ended June 30, 1957.

Very respectfully,

REMINGTON KELLOGG,  
*Director, U. S. National Museum.*

DR. LEONARD CARMICHAEL,  
*Secretary, Smithsonian Institution.*



*June 30, 1957*

## Scientific Staff

Director: Remington Kellogg

Assistant Director: Frank A. Taylor

Registrar: Helena M. Weiss

Office of Exhibits: Frank A. Taylor, Chief

John E. Anglim, chief exhibits specialist; William L. Brown, chief zoological exhibits specialist; Rolland O. Hower, Benjamin W. Lawless, exhibits specialists

### Museum of History and Technology

Frank A. Taylor, in charge of planning; John C. Ewers, planning officer;  
William E. Boyle, administrative assistant

### Department of Anthropology: Frank M. Setzler, head curator

A. Joseph Andrews, exhibits specialist

ARCHEOLOGY: Waldo R. Wedel, curator  
Clifford Evans, Jr., associate curator

PHYSICAL ANTHROPOLOGY: T. Dale  
Stewart, curator

Marshall T. Newman, associate curator

ETHNOLOGY: Herbert W. Krieger, curator

C. Malcolm Watkins, associate curator

Saul H. Riesenbergs, associate curator  
Robert A. Elder, Jr., assistant curator  
G. Carroll Lindsay, assistant curator  
Rodris C. Roth, assistant curator

### Department of Zoology: Waldo L. Schmitt, head curator

MAMMALS: David H. Johnson, curator  
Henry W. Setzer, associate curator  
Charles O. Handley, Jr., associate  
curator

BIRDS: Herbert Friedmann, curator

Herbert G. Deignan, associate curator  
REPTILES AND AMPHIBIANS: Doris M.  
Cochran, curator

FISHES: Leonard P. Schultz, curator  
Ernest A. Lachner, associate curator  
William R. Taylor, associate curator

MOLLUSKS: Harald A. Rehder, curator  
Joseph P. E. Morrison, associate curator

INSECTS: J. F. Gates Clarke, curator

Oscar L. Cartwright, associate curator

William D. Field, associate curator  
Grace E. Glance, associate curator  
Ralph E. Crabill, Jr., associate curator

Sophy Parfin, junior entomologist

MARINE INVERTEBRATES: Fenner A.  
Chace, Jr., curator

Frederick M. Bayer, associate curator

Thomas E. Bowman, associate curator

Charles E. Cutress, Jr., associate curator

**Department of Botany: Jason R. Swallen, head curator**

<b>PHANEROGAMS:</b> Lyman B. Smith, curator	<b>GRASSES:</b> Jason R. Swallen, curator
Emery C. Leonard, associate curator	<b>FERNS:</b> Conrad V. Morton, curator
Egbert H. Walker, associate curator	<b>CRYPTOGAMS:</b> Conrad V. Morton, acting curator
Velva E. Rudd, associate curator	Paul S. Conger, associate curator
Richard S. Cowan, associate curator	Mason E. Hale, associate curator

**Department of Geology: Gustav A. Cooper, head curator**

James H. Benn, museum geologist

<b>MINERALOGY AND PETROLOGY:</b> George S. Switzer, acting curator	<b>INVERTEBRATE PALEONTOLOGY AND PALEO-</b>
Edward P. Henderson, associate curator	<b>BOTANY:</b> Gustav A. Cooper, curator
<b>VERTEBRATE PALEONTOLOGY:</b> C. Lewis Gazin, curator	Alfred R. Loeblich, Jr., associate curator
David H. Dunkle, associate curator	David Nicol, associate curator
Franklin L. Pearce, exhibits specialist	Porter M. Kier, associate curator

**Department of Engineering and Industries: Robert P. Multhauf, head curator**

<b>ENGINEERING:</b> Robert B. Woodbury, curator; in charge of Sections of Civil and Mechanical Engineering	<b>CRAFTS AND INDUSTRIES:</b> William N. Watkins, curator; in charge of Section of Wood Technology
Kenneth M. Perry, associate curator, Section of Marine Transportation	Edward C. Kendall, associate curator, Section of Agricultural Industries
Edwin A. Battison, associate curator, Section of Light Machinery	Grace L. Rogers, associate curator, Section of Textiles
W. James King, associate curator, Section of Electricity	<b>INDUSTRIAL COOPERATION:</b> Philip W. Bishop, curator
<b>GRAPHIC ARTS:</b> Jacob Kainen, curator	<b>MEDICINE AND PUBLIC HEALTH:</b> George B. Griffenhagen, curator
Alexander J. Wedderburn, Jr., associate curator, Section of Photography	

**Department of History: Mendel L. Peterson, acting head curator**

<b>NAVAL HISTORY:</b> Mendel L. Peterson, curator	<b>CIVIL HISTORY:</b> Mrs. Margaret Brown Klapthor, associate curator
<b>MILITARY HISTORY:</b> Edgar M. Howell, acting curator	Charles G. Dorman, assistant curator
J. Russell Sirlouis, assistant curator	Mrs. Anne W. Murray, assistant curator
Craddock R. Goins, Jr., assistant curator	<b>PHILATELY:</b> Franklin R. Bruns, Jr., curator
<b>NUMISMATICS:</b> Vladimir Clain-Stefanelli, curator	Francis J. McCall, assistant curator

# Honorary Scientific Staff

Smithsonian fellows, collaborators, associates, custodians of collections,  
and honorary curators

## Anthropology

Mrs. Arthur M. Greenwood, Anthro- pology	Thomas W. McKern, Physical Anthro- pology
Neil M. Judd, Anthropology	W. W. Taylor, Jr., Anthropology
Betty J. Meggers, Archeology	W. J. Tobin, Physical Anthropology

## Zoology

Paul Bartsch, Mollusks	Carl F. W. Muesebeck, Insects
L. L. Buchanan, Coleoptera	Benjamin Schwartz, Helminthology
M. A. Carriker, Insects	Mrs. Harriet Richardson Searle, Marine Invertebrates
D. C. Graham, Biology	C. R. Shoemaker, Zoology
Charles T. Greene, Diptera	R. E. Snodgrass, Insects
A. Brazier Howell, Mammals	Alexander Wetmore, Birds
W. L. Jellison, Insects	Mrs. Mildred Stratton Wilson, Copepod Crustacea
W. M. Mann, Hymenoptera	
J. Percy Moore, Marine Invertebrates	

## Botany

Agnes Chase, Grasses	Floyd A. McClure, Grasses
Ellsworth P. Killip, Phanerogams	John A. Stevenson, Fungi

## Geology

Ray S. Bassler, Paleontology	Helen N. Loeblich, Invertebrate Paleon- tology
Roland W. Brown, Paleobotany	John B. Reeside, Jr., Invertebrate Pale- ontology
Preston Cloud, Invertebrate Paleon- tology	W. T. Schaller, Mineralogy
J. Brookes Knight, Invertebrate Pale- ontology	

## Engineering and Industries

F. L. Lewton, Crafts and Industries

## History

Elmer C. Herber, History	Paul A. Straub, Numismatics
Carroll Quigley, History	

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*Annual Report of  
the Director  
United States National Museum*



# Introduction

Planning by the Museum staff for the interior of the new Museum of History and Technology proceeded uninterrupted through the year, and the design of its halls and exhibits constituted a large part of the work of the exhibits staff.

John C. Ewers, ethnologist and planning officer, is directing this work, in which the curators and exhibits designers, working together, thus far have produced detailed descriptions and tentative hall designs for nearly half the exhibition halls the building will contain. Thus, as soon as the dimensions and locations of exhibition halls are determined by the architects, construction of the exhibits can begin, so that they will be ready for installation soon after the building is completed. John H. Morrissey, now chief of an architectural unit of the Public Buildings Service of the General Services Administration, has been a helpful liaison between that agency and the Smithsonian Institution on the design of the new building and a valued adviser on the planning of exhibits.

The architectural firm of McKim, Mead & White completed the studies for the exterior design of the Museum of History and Technology building and submitted diagrammatic plans. The Joint Congressional Committee on construction of this building accepted the design recommended by the architectural firm and so advised the Regents of the Smithsonian Institution. Detailed estimates by the architects and the Public Buildings Service of the construction costs of a building conforming to these diagrammatic plans indicated that the appropriated funds would not be sufficient for a building of the contemplated dimensions. This development was brought to the attention of the Joint Congressional Committee and the Board of Regents.

A Museum staff committee reviewed the estimated facilities and equipment required by the scientific and service divisions in the proposed additions to the Natural History Building. Funds for planning the additions, including the preparation of working drawings and specifications, were appropriated by Congress at the close of the fiscal year.

## Funds Allotted

From the funds appropriated by Congress to carry on the operations of the Smithsonian Institution and its bureaus during the fiscal year 1957, the sum of \$1,767,760 was obligated by the United States National Museum for the preservation, increase, and study of the National collections of anthropological, zoological, botanical, and geological materials, as well as materials illustrative of engineering, industry, graphic arts, and history (this amount includes sums expended for the program of exhibits modernization).



# Exhibits

During the fourth year of the continuing program for the modernization of exhibits at the Smithsonian Institution, a hall depicting everyday life in early America, one illustrating the history of power machinery, and the final section of the hall displaying large mammals of North America were opened to the public. With these, the total of completed halls reached eight. The variety of subject matter now encompassed in the renovated halls exceeds the scope of most museums. Public response to these new exhibits continued to increase during the year and the informed comment on their effectiveness was generous and encouraging.

Dr. Herbert Friedmann continues as chairman of the exhibits committee, which provides over-all coordination and supervision of the renovation program being carried out by John E. Anglim, chief exhibits specialist, and William L. Brown, chief taxidermy exhibits specialist. Benjamin Lawless and Rolland O. Hower are exhibits specialists in charge of major elements of the program. Eugene E. Witherell, acting director of the architectural and structural division of the Public Buildings Service of the General Services Administration, and Harry T. Wooley, design architect of that agency, have contributed substantially to the designs of the halls. In this work the scientific staff prepare the original narrative scripts, select the objects, write the captions, and consult with the exhibits designers and preparators on the arrangement of the objects and the use of the drawings, paintings, and other graphical aids required to communicate their ideas to the viewers.

The curators of the National Museum have a twofold objective in planning their halls and exhibits: to give the museum visitor the experience of viewing objects of significant historical or scientific interest and rarity; and to show these objects in exhibits so effectively explanatory that they increase the visitor's knowledge, not only of the object, but also of the history, science, technology, or art to which the object relates. The attainment of this objective and the authenticity, scholarship, and factual content which distinguish the exhibits reflect the devoted and time-consuming work of the many busy scientists and historians of the curatorial staff.

Procedures for planning halls for the Museum of History and Technology are based on those tested in the modernization program. The curator prepares an outline of the subject matter to be interpreted, listing the number, types, and sizes of exhibit units required to present

this subject to the public by museum methods. He executes a rough floor plan and suggests the logical order of the exhibits in the series. His recommendations are reviewed by the planning officer, the liaison architect, and the exhibits specialists. Both the practical and esthetic problems involved in interpreting the subject through exhibits are discussed in conferences with the assigned designer, who prepares a preliminary hall design with a floor plan and elevations.

The curators have completed scripts for 25 halls. These include military history, heraldry and ordnance, underwater exploration, presidential history, colonial American furnishings, 19th-century American furnishings, philately, postal history, numismatics, heating and lighting, beginnings of textiles, history of motion pictures and applications of photography, pharmaceutical history, physics and astronomy, power, tools, light machinery, and an introductory series of 8 halls interpreting the growth of the United States. The designers completed preliminary designs for 21 halls.

## Anthropology

On January 26, 1957, in the presence of more than 800 guests, Secretary Leonard Carmichael and Mrs. Arthur M. Greenwood, Fellow



NEG. 44179-A

Everyday Life in Early America: Kitchen of late 17th-century Massachusetts Bay Colony house re-erected in hall. House and furnishings from Greenwood gift.



NEG. 44179-F

Everyday Life in Early America: Background of this interior, ca. 1720, including India-red-stained featheredge sheathing, was assembled from old materials. Furnishings from Greenwood gift.

Everyday Life in Early America: Pine-paneled parlor of Reuben Bliss House, Springfield, Massachusetts, ca. 1754. gift of Gertrude D. Webster. Furnishings from Greenwood gift. Detail of viewing alcove seen at right, with part of overhead light source.

NEG. 44599-C



of the Smithsonian Institution, opened the hall of everyday life in early America. This hall, by means of authentic home furnishings, tools, and other objects, illustrates the various European origins of the early settlers; their housing, trapping, and planting; their trade with the Indians, their domestic and community life; their arts and crafts; and the life of the child. In more than 50 exhibits, objects and graphics are combined to illustrate the basic concerns of the settlers. Interspersed with the topical exhibits are an entire 17th-century Massachusetts Bay Colony house, the gift of Mrs. Greenwood; three 18th-century rooms; an early 19th-century bedroom; and a New England schoolroom equipped with original desks and benches saved by Mrs. Greenwood from old schoolhouses.

This hall, the first in the National Museum to be devoted to cultural history, is unusual, if not unique, in relating many elements of the life of a period by combining narrative topical exhibits with interiors and displays of selected collections of antiquarian treasures. It was planned by Associate Curator C. Malcolm Watkins in close cooperation with Exhibits Chief John E. Anglim and the architects of the Public Buildings Service. Individual cases and displays were prepared by artists of the exhibits laboratory under the supervision of Rolland O. Hower. Most helpful assistance was given by Mrs. Greenwood



NEG. 44599

Everyday Life in Early America: Varied ceiling heights, and bays, alcoves, and foyer areas give change of pace, stimulate interest. Viewing alcove for period room at right.



NEG. 44162

Everyday Life in Early America: This case of common glassware—bottles and "off-hand" glass—is lighted from back, through ground-glass screen. Silhouette stands behind.

Everyday Life in Early America: Modern abstract design used to display objects of antiquity.

NEG. 44388-A





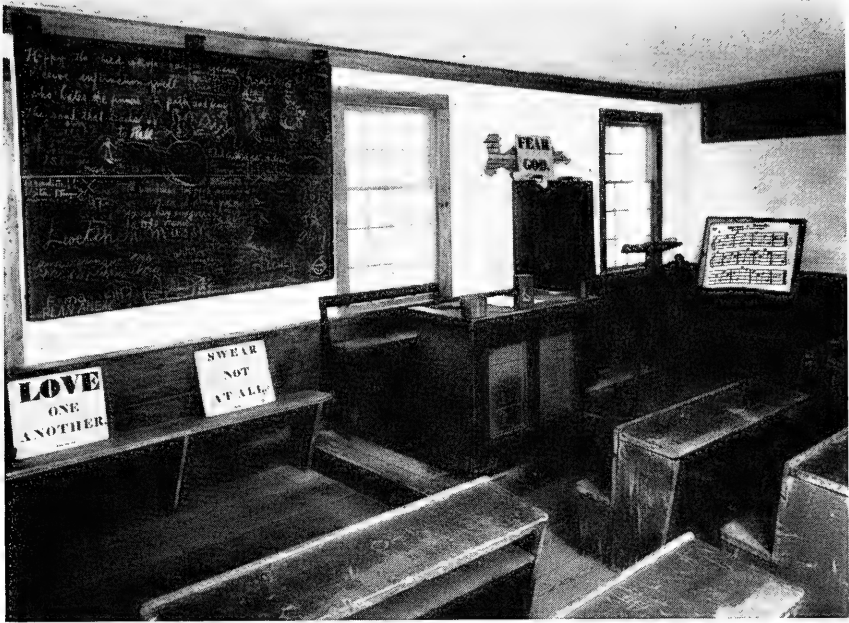
NEG. 44389-M

Everyday Life in Early America: Pennsylvania "Dutch" folk art. The decorative devices are copied from folk art motifs. Red barn boards at left show so-called "hex" symbols.

Everyday Life in Early America: Play dolls lent by Mrs. Arthur M. Greenwood. Verse is from Lydia Taylor's poems for children, written about 1800.

NEG. 44161-B





NEG. 44599-H

**Everyday Life in Early America:** To represent a New England school of about 1820, furnishings from the Greenwood gift are arranged in an interior constructed of old woodwork.

whose intimate knowledge of her own extensive gifts contributed greatly to the success of the project. Erection of the 17th-century Bay Colony House and structural installation of the period rooms were by George H. Watson, specialist in colonial house restorations, and his staff. The preparation of specimens for exhibition was under the direction of Assistant Curator G. Carroll Lindsay, assisted by Museum Aide Ulysses G. Lyon. Research in the furnishings used in the period rooms was performed by Assistant Curator Rodris C. Roth.

Construction of cases and fixtures began in the second of two halls on the

**Wooden cigar-store Indian,** gift of Mrs. Merriweather Post, wears painted green smock, red sash, and yellow, blue, green, and brown feather headdress. Made in New York City, ca. 1860-70.

NEG. 44388-H







NEG. 44389-G

Everyday Life in Early America: New England silver against a background of mahogany. Labels are silk-screened in white on plexiglas.

Everyday Life in Early America: Woodwork in this Sussex, Virginia, parlor, dates from about 1770. Furnished in manner of late 1700's.

NEG. 44599-F





American Indian in March 1957. The overall plans for this hall were prepared by John C. Ewers in collaboration with John E. Anglim, and the construction of exhibits was under the supervision of Rolland O. Hower. Figures for a new miniature diorama of a Black-foot Indian buffalo drive were made and sculptured figures of life-size ethnic groups were restored in the anthropological laboratory by A. Joseph Andrews.

Two Egyptian bull mummies were exhibited near the Ptolemaic mummy in the hall of Old World archeology, where they have proved of unusual interest to school children. Temporary revision of a few exhibits was made in the North American archeology halls, and tentative plans for modernization of these two halls were completed.

## Zoology

The final four habitat groups in the hall of North American mammals were presented to the public April 30 in a brief ceremony at which the zoological work of the Smithsonian Institution was reviewed. The hall now displays twelve native mammals important to the American pioneer. To the lifelike groups already on display—caribou,

Rocky Mountain wapiti, or American elk, *Cervus canadensis nelsoni* Bailey in the Gallatin Range, Yellowstone National Park, during late autumn breeding season. First snow of winter blankets spruce forest that typically surrounds mountain meadows where these elks spend most of year. Specimens mounted by James L. Clark. Background painted by Robert E. Hogue.

NEG. 44698-C



moose, big-horn sheep, Rocky Mountain goat, white-tailed deer, prong-horn antelope, wolf, and puma—were added groups of wapiti, black bear, grizzly bear, and American bison—all in faithful reproductions of their natural habitats.

Work began on the earliest of these groups when Dr. Remington Kellogg was curator of mammals. He and the present curator, Dr. David H. Johnson, directed the final phase of the work, which was executed under the supervision of William L. Brown, chief taxidermist. Charles R. Aschemeier, Norman N. Deaton, and Watson M. Perrygo prepared the mounts, mounted the skins, reproduced the



NEG. 44698-A

Female grizzly bear, *Ursus horribilis* Ord, with partly grown cubs turning over rocks in search of Columbian ground squirrels in Logan Pass, above 6,000 feet elevation, in Glacier National Park, Montana. Stunted alpine firs and white-bark pines form a dwarf forest at this elevation. Bears from National Park Service. Background painted by Jay H. Matternes.

NEG. 44698 ➤

Mother and twin cubs of eastern black bear *Euarctos americanus americanus* Pallas, shown in early spring soon after leaving their den in the Allegheny Mountains, on Tonoloway Creek, Fulton County, Pennsylvania. Mixed forest of conifers and hardwoods, with shrubby undergrowth of rhododendron, willow, and hazel, provides typical habitat. Birds shown are blue jay and hairy woodpecker. Bears presented by Pennsylvania Game Commission.



NEG. 44698-B

Plains bison, or American buffalo, *Bison bison bison* (Linnaeus), crossing badlands area in Slope County, western North Dakota. Typical plains animals associated with bison and shown with group are prairie dog, cowbird, and black-billed magpie. Specimens from U. S. Fish and Wildlife Service. Background painted by Jay H. Matternes.



accessory plant and ground material, and installed the groups. The backgrounds of the latest groups were painted by Robert Hogue, John Kucera, and J. H. Matternes.

Detailed plans for the two halls of the "World of Mammals" were carried forward by Associate Curator Henry W. Setzer, who completed the final scripts for 20 of the 60 displays to be constructed for these halls, and by Thomas G. Baker, exhibits designer. The large central hall of the west wing of the Museum was closed for the removal of the old mammal habitat groups, and progress was made with plans for the proposed "Hall of Marine Life" which will eventually occupy that area.

## Geology

Under the direction of Head Curator G. A. Cooper and Associate Curator D. H. Dunkle, plans for the hall of invertebrate paleontology and the hall of fossil fishes and amphibians were completed by the designer William D. Crockett, who also prepared tentative plans for the hall of fossil mammals for Curator C. L. Gazin.

The hall of invertebrate paleontology will include a series of dioramas of fossil marine life. Two of these were completed during the year by George Marchand, creator of natural science exhibits. One shows a Middle Cambrian sea-bottom of British Columbia in which sponges and seaweed provide the setting for trilobites, worms, and other arthropods. The other diorama reproduces a sea-bottom of the Permian of West Texas, in which a patch reef of algae is overgrown by bizarre brachiopods, while nautiloid cephalopods seek their prey along the bottom. Many of the restorations of the fossil animals in these dioramas are based on specimens in the national collections and on the scientific studies of Dr. Cooper.

Plans for the hall of fossil fishes and amphibians were revised to accommodate new material obtained by Dr. Dunkle during his recent European trip.

In the paleontology laboratory good progress was made in the preparation of fossils for exhibition. Those completed include the difficult skeletons of primitive Permian reptiles *Seymouria*, *Labi-dosaurus*, and *Diadectes* and the Devonian fishes *Drepanaspis*, *Bothriolepis*, and *Gemuendina*. Work progressed on mounts of the Devonian fish *Dinichthys*, the Cretaceous teleostean fish *Xiphaetinus*, which is 16 feet long, and the Permian "horned" amphibian *Diplocaulus*.

A part of the popular gem collection is being temporarily exhibited near the rotunda while construction of the new gem and mineral hall, begun in February 1957, is in progress.

Norman N. Deaton, taxidermist, completed restorations of various fossil fishes and tetrapods and is casting plants for a Permo-Carboniferous life group, the molds of which were lent by the Carnegie Museum of Pittsburgh.

Loan exhibits were sent to several societies during the year including the Eastern Federation of Mineralogical Societies annual meeting in Baltimore, Md.; the Northwest Federation of Mineralogical Societies, Eugene, Oreg.; the Midwest Federation of Mineralogical Societies, St. Paul, Minn.; and the Idaho Gem Club, Boise, Idaho.

## Engineering and Industries

The first hall-size exhibit renovation in the department of engineering and industries was completed with the opening of the hall of power machinery on March 27, 1957. Moving engines and models, murals, and scores of diagrams and schematic mechanisms narrate the development from primitive wind- and water-powered machines to the gas turbine, with graphic representations of the scientific discoveries which furthered this progress. Original machines and patent models illustrate the work of engineers and inventors such as Stevens, Corliss, Otto, and Deisel. Head Curator Robert P. Multhauf prepared the script and the initial floor plan for the hall. The original architectural design by Benjamin W. Lawless was developed with the aid of C. David Persina, then of the Public Buildings Service. Bright N. Springman was the exhibits designer and Mr. Lawless had overall supervision of the work.

Secretary Carmichael and Dr. Melville Bell Grosvenor, president of the National Geographic Society and grandson of Alexander Graham Bell, opened an exhibit illustrating the invention and development of the telephone. The exhibit describes the evolution of the telephone and shows the equipment required to create the modern telephone system, including the switching mechanisms required to select circuits and connect a pair of telephones from the millions of circuits in the system, the boosting of the signal current over long lines, and the multiplying of the message carrying capacities of various types of circuits. The potential importance of the transistor is described and an operable exhibit of the solar battery is included. Dr. Robert P. Multhauf planned the content of the exhibit, which was designed by Smithsonian and Bell Telephone Laboratories personnel. It was produced and presented by the Bell System and the independent telephone industry.

In the section of photography, exhibits on camera lenses, instantaneous photography, and camera shutters were designed and installed by Fuller Griffith. These completed the refurbishing of the photog-

raphy gallery, which combines exhibits on the history of photography and the camera with a photographic print salon for special showings of the work of present-day photographers. Alexander J. Wedderburn, Jr., is the associate curator in charge.

Work began on the renovation of the graphic arts exhibits illustrating the history and methods of fine printmaking. Jacob Kainen, curator, prepared the script and Mr. Springman is the exhibits designer in charge.

## SPECIAL EXHIBITS—DIVISION OF GRAPHIC ARTS

### GRAPHIC ARTS

Selected prints from the collection		March 1956–February 1957
Prints by George O. (Pop) Hart	30 etchings and lithographs	March–May 1957

### PHOTOGRAPHY

National Print Collection	50 pictorial photographs	July–August 1956
Martin H. Miller	50 pictorial photographs	September–October 1956
National Photographic Society	33 monochrome prints and 80 color transparencies	November–December 1956
Harvey Croze	53 pictorial prints	January–February 1957
Paul Ehrlich	46 pictorial prints	March–April 1957
Tenth Annual Exhibition of Marine Photography, International	50 pictorial photographs	May 1957
National Print Collection	50 pictorial photographs	June 1957

Curator George Griffenhagen continued his work on the new hall of health, which is nearing completion. Paul C. Batto is the exhibits designer. Exhibits assistance was given during the year to the American Association of Anatomists, the American Association of the History of Medicine, the International College of Surgeons Hall of Fame, and the National Library of Medicine.

Associate Curator Grace Rogers, and Thaddeus O. McDowell, exhibits designer, completed plans for the modernized textile hall. A typical 3-part unit of the demountable panel and case system designed for this hall was erected to show a revised exhibit on the subject of silk. A contract was let for the purchase and installation of the panels and cases required to complete the renovation.

Improvement was made in the exhibition of automobiles under the supervision of Leslie J. Newville; and Associate Curator Edwin A. Battison rearranged the timekeeping exhibits to feature some of

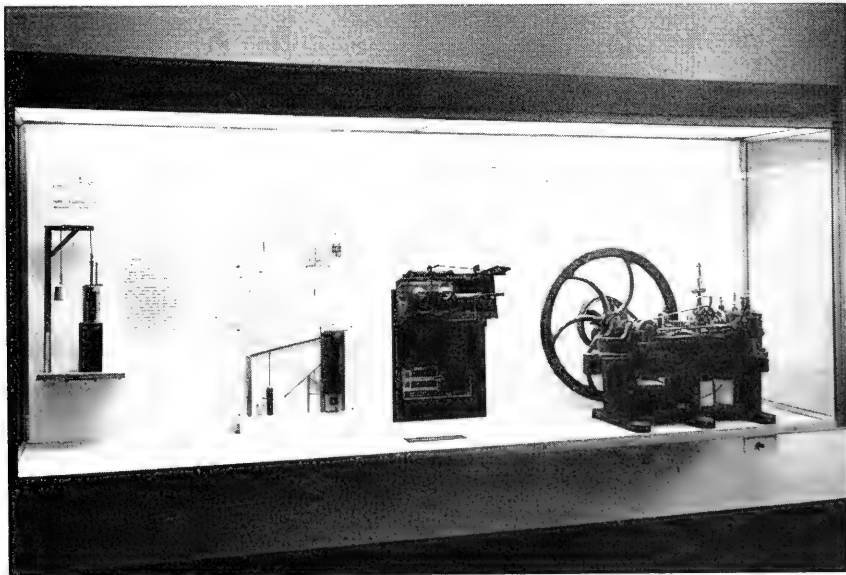


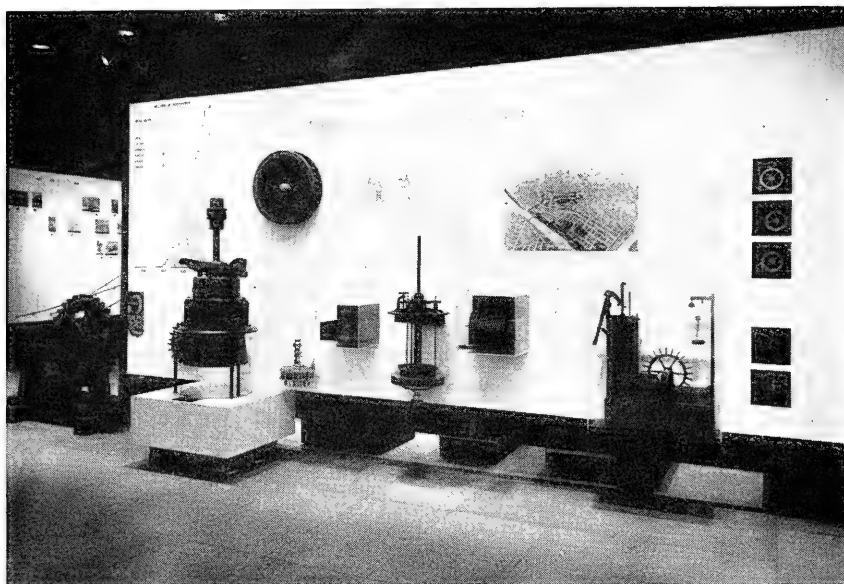
NEG. 44698-E

Power Machinery Hall: Beam steam engine of 1851, its 12-foot flywheel slowly turning, stands at entrance, before photographic exhibit of wind- and water-wheels.

Power Machinery Hall: Models of cylinder and piston internal combustion engines, 1680 to 1860, left to right: model illustrating experiments at the French Academy of Sciences, and Street, Drake, and Lenoir engines.

NEG. 44518-E



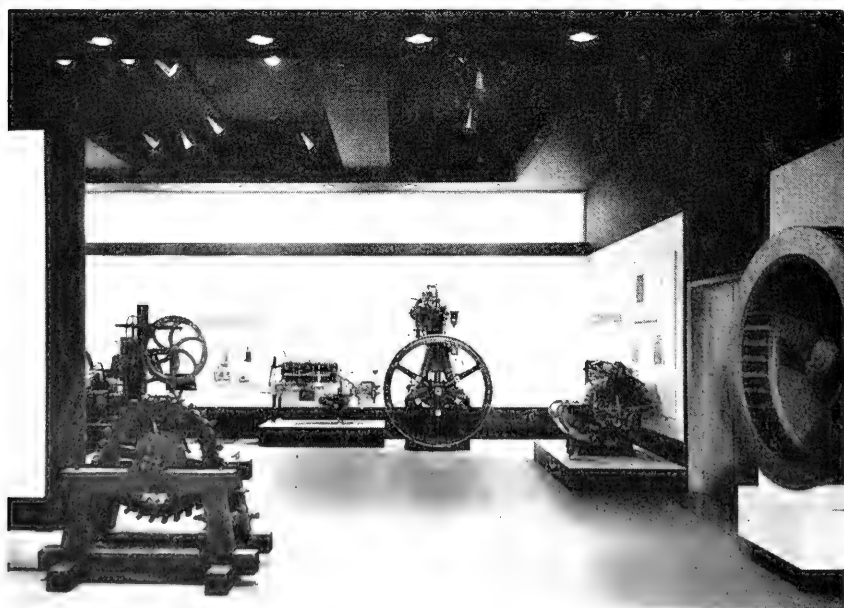


NEG. 44518-F

Power Machinery Hall: Hydraulic turbines, right to left, Smeaton test water wheel, model of breast wheel used at Lowell, Mass., and Fourneyron, Howd, Francis (above), Leffel (below), McCormick, and Pelton turbines.

Power Machinery Hall: In foreground left, Pelton water turbine and, right, wheel of first water turbine in United States. In background, gasoline and diesel engines and, right, gasoline turbine.

NEG. 44518-K







NEG. 44518-A

Power Machinery Hall: Steam turbines of Curtis, DeLaval, and Parsons against left wall. Behind alternating-current generator, foreground, is working demonstration of electromagnetism. Wheel in background is from first water turbine in the United States.

Power Machinery Hall: The three large electric dynamos, all early examples, are, left to right, Wallace-Farmer, Edison, and Thomson-Houston. Model of Edison's Pearl Street power station of 1883 in background.

NEG. 44518-G



the finest instruments reconditioned during the year by Museum Aide Charles G. Smith.

Plans were carried forward for a number of halls for the new museum on the subjects of chemistry, electricity, and agriculture.

## History

The division of military history, under Associate Curator Edgar M. Howell, began work, in cooperation with the Department of the Army, on an exhibit illustrating the history of the U. S. Army. Construction of fixtures was completed during the year and the installation of weapons, models, and dioramas was started. The hall was designed by William D. Crockett.

The outstanding collection of household furnishings and personal effects preserved by several generations of the Copp family of New England was moved to a location closer to related collections, and a renovated exhibit of the material was begun. Associate Curator Margaret Brown Klapthor is supervising the renovation.

In philately, more than 100 exhibition frames of stamps were renovated. Exhibition assistance was furnished by Associate Curator Franklin R. Bruns, Jr., to the international philatelic exhibition in Bombay and to the Pennsylvania State Museum at Harrisburg.

Special exhibits were arranged to coincide with the national elections and the presidential inauguration. Old campaign buttons, torchlight-parade costumes, election souvenirs, banners, and an old ballot box were installed by Assistant Curator Charles G. Dorman and Museum Aide James Channing. Inaugural medals, programs, invitations to inaugural events, and old prints of past inaugurations were arranged by Assistant Curator Anne W. Murray.

Dorman and Channing arranged the special exhibit of portraits in plaster, consisting of 38 masks and 9 busts of European and American statesmen, artists, musicians, and poets of the 18th and 19th centuries, selected from the collection presented to the Museum by Harry McComas.

The design of exhibits for the new building included the completion of preliminary plans for halls of costumes and naval history.

The committee that is planning the series of introductory halls devoted to the growth of the United States held 23 meetings during the year. Mendel L. Peterson, head curator, is chairman and Robert B. Widder is the exhibits designer. Scripts and preliminary layouts of four halls were completed and two more are nearing completion. Dr. Brooke Hindle, professor of history at New York University, reviewed the work and made many contributions to the planning.

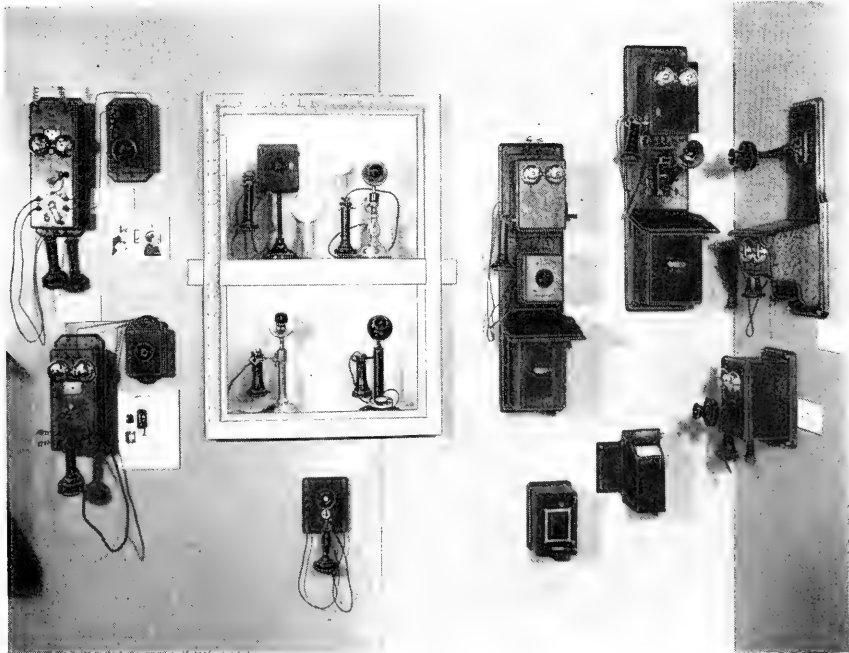


Bell Telephone Photo

Telephone Exhibit: Located on balcony of Arts and Industries Building, it portrays evolution of telephone and equipment required for modern telephone system. Exhibit was produced and presented to Smithsonian by Bell System and the independent telephone industry.

Telephone Exhibit: Early commercial telephones illustrating development of wall and desk types of instrument.

Bell Telephone Photo



# Accessions

## During the Fiscal Year 1957

Accessions during the past year added 647,750 specimens to the national collections. These materials were distributed among the six departments as follows: Anthropology, 14,004; zoology, 480,328; botany, 45,069; geology, 33,322; engineering and industries, 1,706; history, 73,321. This total includes 363,506 insects and 71,928 stamps. The accessions for the most part were received as gifts from individuals or as transfers from government departments and agencies. A full list of the donors is to be found on page 81.

## Anthropology

An outstanding donation to the anthropological collections received in the division of archeology is an ibis statuette of wood and bronze from the necropolis of Tuna-el-Gebel, Upper Egypt, dated about 1,800 B. C. This statuette was given by General Mohammed Naguib to President Dwight D. Eisenhower, who in turn presented it to the Institution. A large miscellaneous collection assembled by the late Monsignor John M. Cooper was donated by The Catholic University of America, through the Rev. James A. Magner. This material consists of North American Indian, Eskimo, African, Philippine, and Negrito cultural objects; Coptic textiles; an embossed gold disk from Ecuador; and other Latin American artifacts.

Ethnological gifts include two large Fijian kava bowls donated by the Government of New Zealand through the administrative officer of the Embassy of New Zealand. Kava bowls are essential for the Fijian ceremony of *yanggona*, or formalized drinking of kava. An antique type of Malay kris or "keris," was given by Mr. Ibrahim Izzudin bin Yusoff, Kelantan, Federation of Malaya. The laminated blade of this heirloom, a traditional Malay weapon, is made from meteoric iron and copper. The hilt and sheath are decorated with gold overlay in filigree with stone brilliants inset in bezels.

In anticipation of period-room installations for the new Museum of History and Technology, the following paneling and finish were accepted: A late 18th-century drawing room from the Thomas Hancock house, Worcester, Mass., a gift of Mrs. Adelaide K. Bullen in memory of her father, Oliver Sawyer Kendall III; paneled wall and woodwork from the Richard Dole house, Newbury, Mass. (about

## SPECIMENS IN THE NATIONAL COLLECTIONS MAY 31, 1957

DEPARTMENT OF ANTHROPOLOGY . . . . .	853, 912
Archeology . . . . .	603, 443
Ethnology . . . . .	190, 455
Ceramics . . . . .	11, 719
Musical Instruments . . . . .	2, 473
Period Art and Textiles . . . . .	8, 417
Physical Anthropology . . . . .	37, 405
DEPARTMENT OF BOTANY . . . . .	2, 736, 828
Phanerogams . . . . .	1, 791, 710
Grasses . . . . .	366, 856
Ferns . . . . .	216, 268
Cryptogams . . . . .	361, 994
DEPARTMENT OF GEOLOGY . . . . .	12, 379, 216
Mineralogy and Petrology . . . . .	268, 025
Invertebrate Paleontology and Paleobotany . . . . .	12, 068, 260
Vertebrate Paleontology . . . . .	42, 931
DEPARTMENT OF ENGINEERING AND INDUSTRIES . . . . .	173, 212
Crafts and Industries . . . . .	69, 661
Engineering . . . . .	34, 607
Graphic Arts . . . . .	46, 202
Medicine and Public Health . . . . .	22, 742
DEPARTMENT OF HISTORY . . . . .	1, 317, 908
Civil History . . . . .	38, 272
Military History . . . . .	31, 395
Naval History . . . . .	4, 749
Numismatics . . . . .	64, 755
Philately . . . . .	1, 178, 737
DEPARTMENT OF ZOOLOGY . . . . .	26, 916, 412
Mammals . . . . .	276, 526
Birds . . . . .	489, 622
Reptiles . . . . .	146, 371
Fishes . . . . .	1, 590, 678
Insects . . . . .	13, 238, 930
Marine Invertebrates . . . . .	1, 570, 880
Mollusks . . . . .	9, 556, 610
Helminths . . . . .	46, 795
TOTAL MUSEUM COLLECTIONS . . . . .	44, 377, 488

1740), a gift of Mrs. Florence Evans Bushee; carved and decorated architectural woodwork by Samuel Field McIntire, from the interior of "Oak Hill," Peabody, Mass. (1813-14), a gift of Jordan Marsh Company; an original decorative finial, salvaged from the steeple of the "Old North" Church, Boston, after the damage by a hurricane in 1954, gift of the Lantern League of the Old North Church.

Miss Elsie Howland Quinby generously converted her loan of 118 specimens of English and American furniture and glass to a gift, in memory of her mother, Mrs. Duncan Cameron. Col. and Mrs. Robert P. Hare gave two 17th-century English back stools and a set of six

American Sheraton "fancy" chairs. Mrs. George Maurice Morris presented, among several other gifts, a carved walnut tray and brass candlestick of about 1760. Mr. and Mrs. George H. Watson donated an early 19th-century Windsor settee, with original paint and stenciling, and an extraordinary hollow-tree-trunk grain barrel. Through the Virgil M. Hillyer fund a North Devonshire pottery oven from Bideford, England, was purchased.

Mrs. Marjorie Merriweather Post was the donor of the only cigar store wooden Indian ever acquired by the Museum. Several important examples of 18th- and 19th-century American blown glass were presented by Mr. W. Daniel Quattlebaum. These include New York, New Jersey, and New England types, as well as a rare cut-glass tumbler with an embedded ceramic cameo bust of Lafayette, made at the Bakewell works in Pittsburgh on the occasion of Lafayette's visit to America in 1824. An entire collection of 173 glass paperweights, mostly of European and American origin, was the gift of Mr. Aaron Straus.

In order to augment the exhibits in the hall, "Everyday Life in Early America," several large collections were accepted as loans. In addition to her previous gift of more than 1,600 objects, Mrs. Arthur M. Greenwood loaned 326 specimens of Americana, including 22 examples of primarily American 17th- and 18th-century silver, rare children's books and hornbooks, Indian captivity accounts and broadsides, numerous dolls, and many articles of domestic use. Two specimens of North Devonshire pottery excavated at Jamestown, Va. were loaned by The National Park Service.

In exchange with the Institute and Museum of Anthropology, Moscow State University, the division of physical anthropology received a cast of a child's skull and lower jaw from the Mousterian cultural period of the Crimea. The Moscow State University received a cast of the Tepexpán skull in return. This exchange resulted from a visit by the Russian delegation following the Fifth International Congress of Anthropological and Ethnological Sciences, in Philadelphia.

## Zoology

As reservoir hosts, transmitters, and carriers of disease, mammals are intensively studied and collected the world over by special agencies and commissions whose efforts have resulted in some of the more important accessions received by the division of mammals in recent years. This year in cooperation with the Armed Forces Epidemiological Board and the University of Pittsburgh, Dr. David H. Johnson, curator of mammals, collected 656 specimens of bats and other small mammals in central Luzon, Philippine Islands. More than

five hundred other mammals from Panama and the Canal Zone accrued to the collection, largely from the field collecting of the personnel of the 25th and 7451st Preventive Medicine Survey Detachments of the U. S. Army, and in part by Dr. Carl B. Koford, Dr. Alexander Wetmore, and by Dr. Robert K. Enders of Swarthmore College. Donated by Dr. Enders also were 376 mammals from Alaska, Colorado, Massachusetts, Wyoming, and Saudi Arabia. The Pan-American Sanitary Bureau of the World Health Organization contributed 38 rodents from Peru. Type specimens were received from Kenneth Walker, Tacoma, Wash., from the Office of Naval Research through the University of Kansas, and from Kenneth S. Norris and William N. McFarland.

This year's more important ornithological accessions included 118 Belgian Congo bird skins, representing 59 forms new to the Museum, received as an exchange from the Institut Royal des Sciences Naturelles, Brussels; 23 birds from the Caroline Islands, a transfer from the Pacific Science Board, National Research Council; 10 Venezuelan birds, including the type specimens of 8 new forms, deposited by Dr. William H. Phelps, Caracas; by deposit from the Smithsonian Institution 817 skins, 16 skeletons, 3 nests, and 5 sets of eggs of birds, collected in Panama by Dr. A. Wetmore.

Noteworthy collections of New World amphibians and reptiles were received as gifts from the following donors: Jerry D. Hardy, Catonsville, Md., 702 specimens from Cuba; William L. Witt, Arlington, Va., 208 reptiles and amphibians; Naturhistorisches Museum, Vienna, Austria, 98 frogs from Brazil; Dr. John W. Crenshaw, Jr., Columbia, Mo., 52 turtles; Dr. W. G. Lynn, Washington, D. C., 23 frogs from Jamaica and Antigua, B. W. I. For type material in this field the Museum is also indebted to the University of Colorado through Dr. T. P. Maslin; to the Natural History Museum of the University of Illinois through Dr. Hobart M. Smith; and to Dr. Gordon Thurow, Braddock Heights, Md.

The largest accession to the fish collection was the gift of Dr. William R. Taylor, associate curator, representing his comprehensive collection of 16,821 specimens gathered from the southern United States over several years. Other sizable fish collections were received as follows: 4,329 specimens from Paraguay donated by Dr. C. J. D. Brown, Montana State College; 1,653 specimens of West Indian fishes obtained on the Smithsonian-Bredin Caribbean Expedition and deposited by the Institution; 190 fresh-water fishes from Colombia, South America, the gift of Dr. George Dahl. Included in eight accessions numbering nearly 700 specimens were 6 holotypes and 598 paratypes of fishes described by one or another of the donors from various

parts of the world: Dr. J. J. Hoedeman, Zoölogisch Museum, Amsterdam; Daniel M. Cohen, Stanford University; Drs. Reeve M. Bailey, University of Michigan, and William R. Taylor, U. S. National Museum; Wayne J. Baldwin, University of California at Los Angeles; Dr. Andreas B. Rehnitz, U. S. Navy Electronics Laboratory, San Diego, Calif.; Dr. John C. Briggs, University of Florida; William C. Schroeder, Museum of Comparative Zoology, Harvard University; Dr. Boyd W. Walker, University of California at Los Angeles; and Victor G. Springer, University of Texas.

The largest accession accruing this year to the division of insects consisted of 168,531 specimens of ectoparasites and transferred from the Walter Reed Army Medical Center, Department of the Army. Mr. Ernest Shoemaker of Brooklyn donated his personal collection of 60,338 specimens, chiefly coleoptera, all exquisitely prepared and including 101 *Morpho* butterflies, many of which are rare. Dr. Colvin L. Gibson of Memphis presented 4,327 butterflies and moths, and some representatives of other groups collected in Mexico, the British Solomon Islands and the United States. Associate Curator O. L. Cartwright presented 11,400 specimens of insects which he collected in Arizona, New Mexico and Texas. A gift of 6,546 named lepidopterus larvae, mostly from western United States, which were associated with reared examples in the economically important family of cutworm moths, was received from S. E. Crumb, Puyallup, Wash. Dr. J. F. Gates Clarke, curator, contributed 4,801 miscellaneous insects, mostly from the State of Washington. Other noteworthy accessions included 5,347 insects from Africa and South Central and North America, received from N. L. H. Krauss of Honolulu; 3,753 North Dakota spiders, donated by J. M. Davis, Silver Spring, Md.; and 10,000 miscellaneous insects from Thailand, received from the International Cooperation Administration.

Aside from gifts bringing additional type material to the Museum's marine invertebrate collections, the following are deemed particularly worthy of note: 27,600 specimens from the Smithsonian-Bredin Caribbean Expedition deposited by the Institution; 1,757 crustaceans and other invertebrates from survey vessel collections in the Gulf of Mexico and off the southeastern United States, transferred from the Fish and Wildlife Service, U. S. Department of the Interior, through Harvey R. Bullis, Jr.; 176 identified specimens of 40 species of pelagic copepods from Sweden and South Africa donated by Dr. Karl Lang, Naturhistoriska Riksmuseet, Stockholm, Sweden; 1,828 shrimps, crayfishes, and other invertebrates given by Dr. Horton H. Hobbs, Jr., University of Virginia; 160 identified specimens of 13 species of mysidacean crustaceans from the vicinity of Plymouth, England, presented by Dr. Olive S. Tattersall, through Dr. Isabella Gordon; and



2 specimens of Cephalocarida, the recently discovered crustacean subclass, received from Howard L. Sanders, Woods Hole Oceanographic Institution. Donors of type material included the late Dr. Raymond C. Osborn, Ohio State University; Dr. E. Ruffin Jones, University of Florida; Maureen Downey, Beaufort, N. C.; Dr. Trevor Kincaid, Seattle, Wash.; Mrs. Mildred S. Wilson, Anchorage, Alaska; Dr. J. T. Penney, University of South Carolina; Gordon Clark, University of Maryland; Dr. Alejandro Villalobos F., Instituto de Biología, Mexico; Dr. N. T. Mattox, University of Southern California; and The Scripps Institution of Oceanography, University of California.

Among the outstanding mollusk accessions for the year may be enumerated the following: 2,900 Australian specimens donated by Samuel W. Rosso, Hattiesburg, Miss.; the deposit of 1,380 mollusks received from the Smithsonian-Bredin Caribbean Expedition; 673 specimens of land and freshwater snails from Libya, collected by Dr. Rolf Brandt, and purchased through the Frances Lea Chamberlain Fund; 900 specimens of land and freshwater mollusks from the Solomon Islands, New Britain, and New Caledonia, from James R. Hood; and 84 marine mollusks from South Africa, received from the University of Cape Town, through Prof. J. H. Day. Types of helminths were donated by Dr. Elon E. Byrd, Athens, Ga.; Dr. Thomas C. Cheng, Charlottesville, Va.; Dr. Paul R. Burton, Coral Gables, Fla.; and Dr. Leland S. Olsen, Lincoln, Nebr.

## Botany

An important collection of 196 type specimens of Central American plants was contributed by the Escuela Agrícola Panamericana, through the courtesy of Dr. Louis O. Williams. Other gifts included 210 specimens of plants of Iran collected and presented by Justice William O. Douglas; and 697 Cuban plants from Manuel López Figueiras, Santiago de Cuba. A. C. Smith obtained 4,047 specimens of West Indian plants on the Smithsonian Institution-Bredin Caribbean Expedition, and C. V. Morton collected 4,927 specimens of plants in Cuba. E. P. Killip obtained 1,505 specimens for the Institution on the Isle of Pines, Cuba, and in southern Florida and Texas.

Among the interesting collections received in exchange were 800 Brazilian plants, mostly from the Amazon region, from the Instituto Agronómico do Norte, Belém, Pará, Brazil; 1,640 plants of Ecuador obtained by Dr. Eric Asplund and 1,058 specimens collected in Hispaniola by E. L. Ekman, from the Naturhistoriska Riksmuseet, Stockholm, Sweden; 232 specimens obtained in Asia Minor by E. K. Balls, from the Royal Botanic Garden, Edinburgh, Scotland; 621 plants collected in East Africa by H. J. Schlieben, from the Missouri Botanical

Garden, and 1,353 specimens of plants of Hong Kong, California, and Mexico, from the University of Michigan.

Extensive collections of plants of Santa Catarina, comprising 2,479 specimens, were received from the Herbário "Barbosa Rodrigues," Itajaí, Santa Catarina, Brazil, with a request for identifications. From the collections made by Dr. E. Yale Dawson on the Machris Brazilian Expedition, the Los Angeles County Museum sent 239 specimens for study and report.

There were transferred from the U. S. Geological Survey, Department of the Interior, 2,142 specimens collected by Dr. F. R. Fosberg in the Marshall Islands, and from the Agricultural Research Service, Department of Agriculture, 870 specimens collected by Dr. F. J. Hermann in Canada and northwestern United States.

## Geology

Outstanding among the gifts of minerals is an unusual scapolite from Itrongahy, Madagascar, from John B. Jago, and an exceptional barite from Sterling, Colo., given by Arch Oboler. Some of the newly described minerals presented are: cardosonite, Spain, by Dr. I. Asensio Amor; kingite, Australia, from the Commonwealth Scientific and Industrial Research Organization; ferroselite, Montrose County, Colo., from Howard Bowers; heidornite, Germany, from Prof. Dr. W. V. Engelhardt; hibonite, Madagascar, from John B. Jago; tertschite, Turkey, from Dr. Heinz Meixner; vayrynenite, Finland, from Mary Mrose; and bøgildite, Greenland, from Hans Pauly.

Several outstanding additions were made to the gem collection by exchange, including an exceptionally fine 18.3-carat canary yellow diamond from South Africa, a 51.9-carat yellow sapphire from Burma, and a 68.85-carat brilliant-cut sphalerite from Utah. A 13.50-carat andalusite from Brazil and an 11.80-carat star spinel from Ceylon, the latter showing four separate six-rayed stars, were purchased through the Chamberlain Fund for the Isaac Lea collection.

Of the 131 specimens added to the Roebling collection by purchase, the outstanding items are: schoepite and soddyite from Shikolobwe in the Belgian Congo, and hambergite from San Diego County, Calif. Newly described species added to the Roebling collection are: coffinite from Utah; kettnerite from Czechoslovakia; hawleyite from the Yukon in Canada; and isokite from Northern Rhodesia.

Significant additions to the Canfield collection include two 6-inch crystals of enargite from Peru; a 6½-ounce gold nugget from the Yukon, Alaska, mined in 1896; several fine groups of showy wulfenite crystals from Arizona; and two exceptionally fine crystals of blue and yellow sapphire from Burma.

Three meteorites new to the collection, acquired as gifts, were Bonita Springs, Lee County, Fla., from E. P. Henderson; Kaufman, Kaufman County, Tex., from Mrs. Carl C. Hinrichs; and Mayday, Riley County, Kans., from Prof. Walter S. Houston. Four meteorites, also new to the collection, were received as exchanges: Saint Peters, Graham County, Kans.; Kunashak, Elenovka, and Sikhote-Alinskii, from the Union of Soviet Socialist Republics.

Important gifts received in the division of invertebrate paleontology and paleobotany are: 750 Tertiary mollusks from Virginia, North Carolina and Florida, given by Shelton P. Applegate; 500 specimens of Permian brachiopods from Tasmania, from Dr. Kenneth E. Caster; 93 pleosponges from South Australia, the gift of B. Flounders; 66 type and figured specimens from the Pennsylvanian rocks of western Maryland, from Joseph Lintz, Jr.; 4,665 specimens of crinoids and other fossils representing the private collection of the late Dr. Edwin Kirk, received from Mrs. Kirk; 400 specimens of Cretaceous Foraminifera from Egypt, donated by Rushdi Said; and 311 Miocene mollusks from Peru, given by the Johns Hopkins University.

An important collection of 500 Tertiary brachiopods from Okinawa was transferred from the U. S. Geological Survey, Department of the Interior. Among the accessions obtained by exchange were 2,695 specimens of Foraminifera from Poland; 158 Tertiary brachiopods from New Zealand; and 894 invertebrate fossils, mostly Mesozoic and Tertiary from Japan.

Through the income of the Walcott bequest 5,322 specimens of Devonian, Mississippian, and Permian fossils were collected by Dr. G. A. Cooper, A. L. Bowsher, and J. T. Dutro, in the Glass Mountains of Texas and the San Andres and Sacramento Mountains of New Mexico.

The division of vertebrate paleontology received outstanding specimens through purchase, field work, and exchanges. Specimens of fossil fishes acquired by purchase came from the Devonian Escuminac formation on Chaleurs Bay, Canada; and a series of late Paleozoic and early Mesozoic fishes from various European localities.

Important specimens collected by Dr. C. L. Gazin include 100 mammalian specimens from the Eocene of Wyoming, and several good specimens of ancient dogs and horses, which were obtained near Harrison, Nebr. Dr. D. H. Dunkle, with Professor Westoll, secured over 200 fossil fish specimens from Lower and Middle Devonian localities in Scotland.

Exchanges were effected that yielded excellent fossil fishes and other fossil vertebrates. Several types of Triassic fishes from Greenland and casts of Devonian amphibians were obtained from the Danish Mineralogical Museum.

A large skeleton of a Cretaceous fish was obtained from the Bureau of Economic Geology of the University of Texas, and Dartmouth College exchanged six primitive jawless ostracoderms from Oesel Island in the Baltic. An exchange of value, consisting of nine jaws and maxillae of primitive perissodactyls and artiodactyls, was obtained from the Muséum de Sciences Naturelles, Lyon, France.

## Engineering and Industries

In connection with the development of the new exhibit of telephony, about 20 original instruments showing the evolution of the telephone from 1880 to the present day were added to the collections of the division of engineering. These specimens were donated by Bell Telephone Laboratories, Stromberg-Carlson Company, the Bell Telephone Company of Canada, North Electric Company, Western Electric Company, Kellogg Switchboard and Supply Company, Automatic Electric Company, and the Ohio Bell Telephone Company.

All sections in the division received important new accessions in preparation for exhibition in the Museum of History and Technology. A specimen of particular historical interest added as a loan to the collection of machine tools is a Robertson milling machine of 1852, from Yale University. The section of light machinery acquired a fine French astronomical clock, of about 1800, featuring a planetarium enclosed in a glass sphere etched with the constellations, thus exhibiting particularly well the astronomical associations of timekeeping. A full-sized pirogue, or dug-out canoe, made in the manner of the Acadians, was presented to the Museum by Esso Standard Oil Company, together with a film recording the process of its fabrication. An elegant Queensbody basket phaeton was given by Mrs. William A. Frailey. The collection relating to instructional mathematics was augmented considerably with the receipt, from Prof. Frances E. Baker, of a set of 131 mathematical models.

The division of medicine and public health added to its collection the third X-ray tube of the discoverer of X-ray, Wilhelm Konrad Roentgen, a gift of the General Electric Company. For the hospital exhibit in the Museum of History and Technology, a complete set of hospital ward fixtures of about 1900 was received from the Massachusetts General Hospital. The materia medica collection obtained a number of additional examples of patent medicines, such as Bateman's Pectoral Drops, presented by Ronald R. McCandless, Owen H. Waller, and A. P. Whealton; Godfrey's Cordial, presented by Robert Russell and A. P. Whealton; and Porter's Curative Sugar Pills, from Samuel A. Aker, David E. Kass, and George C. Kass.

Among the more important specimens acquired by the division of crafts and industries is an 18th-century Don Quixote tapestry, pre-

sented by Mrs. Kermit Roosevelt; a rustic copperplate printed fabric dated 1761, from Mrs. Betty H. Harriman; and a copperplate print stitched into a quilt top from Mrs. Nicholas Satterlee. In the section of agriculture, a model of the Hussey reaper of 1833 was constructed by Donald Holst of the Office of Exhibits; a Pennsylvania bar share plow was donated by Daniel G. H. Leshner; and an early threshing machine, by James W. Brown.

Preparation of exhibits for the new museum made it possible for the division of graphic arts to acquire a number of important prints. Among these are "St. Catherine with the Wheel," a hand-colored anonymous wood cut dated 1465-1470, and examples of the graphic work of J. M. Whistler, Paul Gauguin, Pierre Bonnard, Muirhead Bone, Georges Rouault, Pablo Picasso, Henri Matisse, and others. An outstanding collection of materials representing the history of motion picture photography, comprising 864 items, was received as a bequest from Gatewood W. Dunston.

## History

The division of civil history acquired a notable reception room which was originally installed in a house near Kutztown, Berks County, Pennsylvania, during the period 1785-1790. This room corresponds in size, plan, locale, period and original usage to the second-floor front drawing room of the Philadelphia Presidential Mansion as it appeared during Washington's second administration.

The Ladies' Hermitage Association, Nashville, Tenn., presented a buff and gold china bowl from one of the dinner services used at the White House during the administration of President Andrew Jackson. A plate and a cup and saucer, representative of the State services made by Wedgwood for the White House for use during the Theodore Roosevelt administration, were presented by Josiah Wedgwood and Sons, Inc.

A most interesting addition to the costumes collection is a gold brocade shoe for a woman of the early 18th century with a matching gold brocade clog, a gift of Mrs. Douglas Hathaway through Mrs. Brookings T. Andrews.

The military history collections were enhanced by the gift from President Dwight D. Eisenhower of a summer service uniform of a General of the Army worn by him during his term as Commanding General, Supreme Headquarters, Allied Powers Europe. Twelve military paintings by the celebrated military artist, Mr. Charles Haffbauer, were presented by Mrs. John Nicholas Brown.

Outstanding among the specimens received in the division of naval history was a series of six oil paintings of naval actions in the Pacific Ocean during World War II which came as a gift of the artist, Clarence J. Tibado.

An important accession received in the division of numismatics is an original pantograph invented and built by Christian Gobrecht, a prominent United States Mint engraver, together with various engravings and plate proofs of state bank notes made by him, the gift of Mrs. C. F. Wolters. Outstanding among the specimens presented by Paul A. Straub are a broad gold 8-ducat piece struck in 1617 in Quedlinburg by Dorothea, Duchess of Saxony, and a ducat, dated 1688, struck by August Friedrich of Holstein-Gottorp.

A newcomer to the list of donors of philatelic material is Mr. Harry L. Lindquist, publisher of "Stamps" magazine, who presented his collections of Danish and Swedist booklet panes, including many of great rarity. Former Postmaster General James A. Farley converted one section of his valuable philatelic holdings from loan to gift during the year.

Philip H. Ward, Jr., of Philadelphia, donated a considerable number of United States and foreign stamps—to continue his ranking as the "oldest" continuing donor, having first evidenced his support of the national postage stamp collection as far back as 1915. Mr. B. H. Homan, Jr., of New York donated 18 original drawings for Ecuadorean stamps, and 114 French pre-stamp covers.

Other important donations were received from Ernst Lowenstein, Tom Lowenstein, John P. V. Heinmuller, John R. Boker, Jr., John N. Taylor, and Dr. William Winokur and Seymour Winokur.

# Care of Collections

## SPECIMENS ACCESSIONED, IDENTIFIED, AND DISTRIBUTED— FISCAL YEAR 1957

<i>Department</i>	<i>Received in accessions</i>	<i>Submitted for identifi- cation</i>	<i>Identified on request</i>	<i>Exchanged with other institu- tions</i>	<i>Gifts to educa- tional institu- tions</i>	<i>Trans- ferred to other Govern- ment agencies</i>	<i>Loaned for study to in- vestigators and institu- tions</i>
Anthropology .	14, 004	371	869	26	2, 418	100	335
Zoology . . .	480, 328	38, 176	43, 805	5, 819	4, 876	1, 024	80, 776
Botany . . . .	45, 069	11, 968	8, 296	17, 188	896	48	25, 539
Geology. . . .	33, 322	5, 065	4, 858	2, 761	1, 236	289	2, 917
Engineering and Industries . .	1, 706	423	417	14	0	7	175
History. . . .	73, 321	24, 366	24, 311	0	0	1	4, 448
<b>TOTAL .</b>	<b>647, 750</b>	<b>80, 369</b>	<b>82, 556</b>	<b>25, 808</b>	<b>9, 426</b>	<b>1, 469</b>	<b>114, 190</b>

## Anthropology

Exhibits Specialist A. Joseph Andrews was engaged in constructing a large diorama showing Blackfoot Indians driving a herd of buffalo over a cliff, a hunting method used by these Indians before their adoption of the horse. The diorama, which depicts a location actually used by the Indians, just east of the Rocky Mountains in northern Montana, will be placed in the American Indian hall, now under construction. Mr. Andrews also made plaster casts of skulls and busts for the division of physical anthropology, repaired and restored ceramics and metal ware for the division of ethnology, and restored pottery vessels for the division of archeology. In addition, he altered and repaired several manikins in the First Ladies of the White House exhibit for the department of history, and kept in repair the statuary throughout the buildings for the National Collection of Fine Arts.

In the division of ethnology, the rapidly progressing exhibits program has required the removal of collections previously on exhibition, as well as extensive changes in the study collections, in order to keep these materials available for study by our own and outside anthropologists. This work has been the principal task of Assistant Curator of Ethnology Robert A. Elder, Jr., and Museum Aide George W. McBryde.

With the receipt of new type storage units designed for ceramics and metalwork, the American and European cultural history study series

is now easily accessible to students and researchers. Under the supervision of Assistant Curator G. Carroll Lindsay, objects were refurbished, polished and cleaned for the newly opened hall, "Everyday Life in Early America."

Museum Aide U. G. Lyon, in addition to assisting Mr. Lindsay in readying the new hall, cleaned and repaired a number of heating and lighting utensils. In the laboratory of the division of archeology, the work of processing and cataloging accessions carried over from the previous fiscal year was completed, and less than 15 percent of this year's accessions await marking, a further reduction in backlog. State collections re-worked and condensed include those representing Idaho, Iowa, Kentucky, Montana, North Carolina, Oregon, Tennessee, and Wyoming. The laboratory aides have commenced unpacking, washing, and placing field numbers on the extensive collections obtained by Associate Curator Dr. Clifford Evans and Research Associate Dr. Betty J. Meggers through field excavations in eastern and coastal Ecuador, and the Territory of Amazonas, Venezuela. The laboratory has also been able to arrange for the washing of aboriginal textiles from Peru and Chile, to the extent that the textiles most in need of attention will be protected from damage and will be made more readily available for study by scholars, as well as for display.

Work on the skeletal collections in the fourth floor rotunda of the Natural History building was concentrated on the Florida collection and the Hemenway collection from the American Southwest. In extending the division's finding system to these collections, Anthropological Aide Lucile E. Hoyme found many of the early specimens either in such poor condition, or so poorly documented, as to be useless for scientific study. In connection with these projects, it was necessary to review and list the specimens segregated for pathology or anomalies and stored separately from the skeletons. Miss Hoyme was granted a cash award and a certificate of merit for the procedures she developed in accomplishing these tasks.

## Zoology

The physical condition of the zoological collections has continued to improve. Rearrangement, reorganization, and reidentification of collections has progressed in several divisions, but the lack of storage space for the collection of fishes, insects, marine invertebrates, helminths, and corals poses a problem becoming daily more acute.

The incorporation of the Fish and Wildlife Service and National Museum mammal collections into a single series has gone forward slowly because of the time devoted this year to the exhibits program. Rearrangement of the skeletons through the cricetine rodents was



completed, and most of the skins of deer were transferred to new quarters. A long-needed reorganization of the divisional library was made possible by the acquisition of new book shelves and by the employment of Mr. Luis de la Torre on the summer intern program during August 1956.

The reidentifying, labeling, and rearranging of bird specimens was continued by Associate Curator Deignan and Museum Aide Feinstein. The research collections in some groups were reidentified by Dr. J. W. Aldrich and Allen J. Duvall of the U. S. Fish and Wildlife Service. The department is also grateful to Colonel L. R. Wolfe who generously devoted several weeks of his time to the egg collections. Over 100 of the sizeable mounted birds removed from exhibition in the previous fiscal year, and important for historical or scientific reasons, were dismounted, remade into study skins, and put back in the study series.

The inventory of the frog collection, initiated in 1956, went forward on schedule, and is now over three-fourths completed. The discovery of a number of misplaced specimens has proved the value of this undertaking. Upon its completion the other groups of amphibians and reptiles will be similarly dealt with.

The collections of fishes are in an excellent state of preservation, and those processed and catalogued are arranged in an orderly manner and are conveniently accessible. Regrettably, this cannot be said of the large backlog of uncataloged specimens which, though in good shape physically, cannot be made readily available for study until additional storage space is provided.

Thanks to the summer intern program inaugurated this year, marked strides were made in the physical care of the entomological collections. With providential though temporary assistance, fumigant was placed in 12,786 standard insect drawers, or about one-third of the total number in the National collections. More than 20,000 drawers remain to be examined and to have the naphthalene replenished. Further headway with this necessary and still urgent task depends on the availability of more subprofessional help.

With the appointment to the staff, on September 1956, of Dr. Ralph E. Crabill, the myriopod-arachnid section was reactivated. For some years, the groups assigned to this section had received very little attention for want of a specialist conversant with them, and consequently were in urgent need of sorting, rehousing, arranging, and identification, tasks which have occupied the greater part of the associate curator's time since his appointment. In the course of this work, he has instituted for these collections a system of cataloging and physical organization noteworthy by reason of its simplicity, the speed with which it is now possible to locate any given type specimen, and the safety it affords the material concerned.

In working over the Pseudoscorpionida he discovered about 300 specimens that, over the years, had become misplaced. These specimens, most of them collected by Banks and by Green, have now been revived and rehoused with surprisingly little loss. The Museum's pedipalpida material has been revived and rehoused, but many specimens remain in extremely poor condition. On the other hand, he found the collections of Phalangida and of Araneida (the largest groups under his care) for the most part in excellent condition. The types of the latter group, which comprises 330 specimens representing between 200 and 250 species and subspecies, have been catalogued, checked, counted, and rehoused. Dr. Crabill reports that the Museum's holdings of Ricinulei, the rarest of all Recent arachnids and possibly the rarest of arthropods, include a significant proportion of the world's known museum specimens. They comprise the types described in 1929 by Ewing, who reported then that only 27 specimens were known to be in collections anywhere in the world. Of these, 10, representing 4 new species, were noted as being in the U. S. National Museum.

The collection of Diplopoda ranks next to that of the spiders in point of number of species and specimens, but to date it has not been possible to assign as much as 10 percent of it even to a family. Owing partly to this enforced neglect and partly to the extraordinary difficulty of preserving millepedes, much of the ordinary material in this group was found to be in poor physical condition. The millepede types are in better condition, and approximately four-fifths of them have now been catalogued, rehoused, counted, and revived where necessary. It is estimated that 700 to 800 specimens of 400 to 500 species are represented in this group. At least three-fourths of the Museum's representation of Chilopoda are either entirely unclassified or classified only to order. Restoring and identifying this material has been underway since September 1956 but progress has proved quite difficult and slow. All specimens known to be types have been incorporated into the new cataloging system, rehoused, and revived where necessary.

During the year Dr. Phyllis Johnson, Entomology Research Division of the Department of Agriculture, reorganized the entire collection of ectoparasites, more than 168,000 specimens. The Ernest Shoemaker collection of 60,338 specimens of miscellaneous insects, chiefly Coleoptera, was counted, labeled, and about a tenth of it incorporated into the National Collection. From the Carl J. Drake collection (not yet completely counted or accessioned) 12,228 specimens have been placed in trays and labeled as part of the permanent collection of hemiptera; and 6,737 specimens of homoptera have been removed from Schmitt boxes and placed in drawers. Miscellaneous insects received from N. L. H. Kraus, C. L. Gibson, R. E. Elbel, A.

Vasquez, J. P. E. Morrison and others, were incorporated; and 46,555 specimens from the U. S. Department of Agriculture, Entomology Research Division, were placed in the permanent series. The entire collection of Nearctic Neuroptera was reorganized and arranged with appropriate current name-labels, as were the collections of Collembola, Thysanura, Protura, and allied groups.

Altogether, 336,275 specimens were processed and incorporated.

During the year the alcohol was replenished in those sections of the collection of alcoholic marine invertebrate stacks that most needed attention, but the entire invertebrate collection requires a thorough-going and meticulous overhaul. It has outgrown all available storage space and is alarmingly overcrowded. Attending to only the more critical areas, as developed by spot checks, poses a serious hazard to much valuable and in many cases irreplaceable study and reference material.

Two museum aides temporarily assigned to the division in the summer intern program, contributed significantly toward the reduction of the accessioning and cataloguing backlog: Philip L. Perkins worked in the division from July 26 to September 7 and Carol C. Clarke, from July 16 to September 21.

The dry and alcoholic collections of mollusks are generally in good condition, but an increasing number of catalogued lots of specimens need to be added to the study series to bring it up to the level of greatest service and efficiency.

The Museum's collection of slides and alcoholic specimens of helminths, stored and cared for at the U. S. Department of Agriculture, Animal Disease and Parasite Branch, at Beltsville, Md., continues in the best of shape physically. Scientifically, much remains to be accomplished for want of a curatorial assistant to care for the large amount of important uncatalogued material awaiting attention and incorporation, and the same condition exists in the coral collection, which is in great need of a thorough overhauling and a sweeping reorganization.

## Botany

The major activities in caring for the permanent collections and the processing of new material are summarized in the following table:

	1955-56	1956-57
Specimens and photographs mounted . . . . .	32,729	35,500
Specimens repaired . . . . .	3,174	3,443
Specimens stamped and recorded . . . . .	25,609	30,312
Specimens incorporated in herbarium . . . . .	23,604	20,383

There are now 55,562 types in the segregated type herbarium, including 38,995 phanerogams, 9,939 grasses, 3,345 ferns, and 3,283 cryptogams. This is an increase of 262 during the year.

## Geology

In the division of invertebrate paleontology and paleobotany, the procurement of 175 standard quarter-unit cases and 3,585 drawers of several sizes has eliminated a major obstacle to the reorganization of the collection, and further real progress will be possible when additional subprofessional help is obtained.

Museum Aide Henry Roberts revised the collections of fossil crabs, insects, and eurypterids, cleaning the specimens and placing them in new drawers. He trimmed the eurypterid specimens, which were often large and wasteful of space. His efforts saved space and resulted in an arrangement that will enhance the usefulness of the collections. For all collections not arranged alphabetically he also made finding lists that will serve as a generic inventory.

The cases of crinoids in the Springer room were covered to protect the specimens and help keep them clean. Associate Curator A. R. Loeblich, Jr., reports progress in the washing of shale samples collected on various American and European expeditions. Associate Curator David Nicol, besides expanding the collection of Paleozoic pelecypods, searched the collection for missing types, with gratifying results; he found many that had been overlooked or poorly labeled.

Head Curator G. A. Cooper continued distribution of the etched Permian fossils from the Glass Mountains of Texas. This work is now nearly finished and the sorted collected occupies 31 quarter unit cases. Again Dr. Robert Finks helped in revising the collection of Paleozoic sponges.

In vertebrate paleontology, care of the collections has been somewhat curtailed by work on exhibition specimens, and as a result the backlog of specimens to be prepared has been increased by addition of materials transferred from the Smithsonian River Basin Surveys, from the U. S. Geological Survey, and from the collecting trips of the 1956 field season.

Respacing of the fish collection, necessitated by the acquisition of new material collected by Associate Curator D. H. Dunkle or otherwise obtained during the year, was done by Mr. Applegate of the laboratory staff under the supervision of the associate curator. Although the collection is necessarily still crowded in arrangement, the refinement has greatly facilitated both search and selection of exhibit and exchange specimens.

In addition to his work on the *Dinichthys* exhibit, Exhibits Specialist Franklin L. Pearce has been experimenting with techniques of embedding specimens in various plastics for chemical etching and thin-section preparing.

## Engineering and Industries

A long-overdue renovation of many fine instruments was begun by Charles G. Smith, timekeeping instrument repairer who joined the staff this year. In addition to setting into operation a number of the clocks on exhibition, Mr. Smith has renovated most of the astrolabes, sundials, and antique timekeepers in the collection. Four carriages (a shay, surrey, phaeton, and gig-phaeton) and one sleigh were restored. This program, begun last year, is now about 25 percent completed. Textile specimens from the Hamilton Print Works were identified and mounted through the cooperation of the textile department of the University of Maryland, and 279 samples of woods from Fiji were cut and numbered. The entire reference collections of physics and chemistry, the major collections of textiles and manufactures, and portions of four other collections were moved to the new storage area above the power machinery hall. Additional storage units made possible the transfer of poorly housed reference collections of materia medica, agricultural patent models, phonographs, and specimens of graphic arts.

The completion of additional storage facilities at Suitland, Md., provided space for housing exhibits materials for the Museum of History and Technology.

## History

Assignment of additional storage space at Suitland, Md., and in Escanaba Hall will facilitate better handling of the reference collections of historical material.

The renovation of the west gallery towers, and the installation of gun racks there, have provided increased storage space and made it possible to consolidate shoulder weapons by type, thus providing a more accessible reference collection.

The carriage of the bronze field piece brought to this country in 1777 by Lafayette was expertly restored by Donald Berkebile and placed on exhibition. This piece is of special interest, complete field pieces of the Revolutionary War period being of extreme rarity.

All the specimens in the naval collections were checked against the catalog in preparation for separating the objects assigned to the division of naval history from those in the division of military history. New chart cases were installed for the better care of prints and maps in the collections.

The routine developed here for the preservation of iron barrels recovered from sea water has been almost completely successful. Objects treated have remained stable for periods up to 4 years. Be-

cause of an increasing interest in the recovery and preservation of objects from shipwreck sites, the procedure for preserving iron gun barrels is presented here:

#### PRESERVATION OF LARGE IRON OBJECTS RECOVERED FROM SEA WATER

The first step in preserving large iron objects such as gun tubes, solid shot, and wrought iron fittings recovered from sea water is to prepare a bath of 10 to 15 percent sodium hydroxide in a trough of iron at least  $\frac{1}{8}$  inch thick. The object should then be cleaned of the calcareous coating of coral sand and other deposits by gently tapping it with a hammer. After the crust is removed the object should be immediately placed in the bath and allowed to soak for a period lasting from four to six weeks.

At the end of this period, the bath should be renewed and "mossy" zinc metal should be placed around and on top of the object so that its entire surface is in contact with the zinc. After a day or two the solution will begin to bubble, indicating that the reaction is going forward. In a few weeks a white deposit will form on the object and the bubbling will stop. This means that the oxygen in the surface of the corroded object has combined with the zinc metal, forming zinc oxide. The object should be left in the bath for three or four weeks after this deposit starts forming. At the end of this time the object should be removed and the zinc oxide dissolved with a mild solution of sulfuric acid.

After the object is dried it should be coated with a clear synthetic lacquer or plastic coating to prevent further corrosion. Smaller objects may be coated satisfactorily by dipping them in a solution of hot paraffin. Any attempt to shorten this routine will probably result in the loss of the object through disintegration.

An object waiting for the preservative process should be kept under water until it can be put into the chemical bath. If allowed to dry out, even before the crust is removed, chemical reactions will set in that will result in its ultimate disintegration.

The identifying and cataloging of new numismatic specimens, checking specimens in storage against catalog cards, and locating specimens continued during the year. Progress was made on collating the reference collections of Confederate paper money. Numerous United States silver patterns were cleaned and will be lacquered experimentally with thinned Krylon. Because of the recrystallization of naphthalene on specimens and on the glass of the show cases, all naphthalene flakes were removed from the currency exhibition cases and replaced with pyrethrum insecticide.

Preservation continues to occupy the major percentage of time of the staff of the division of philately and postal history. It has been established that the drying out of old stock-books, some about 50 years old, has considerably discolored some valuable specimens. The strip pockets, as they have dried out, have become separated, allowing specimens to slip and become damaged. Since the old stock-books were so

set up that revisions and additions were virtually impossible, the collections were rearranged in new books. As a result, the discoloration has been halted, the material is more systematically grouped, detection of damaged specimens is facilitated, and it has become possible to make a quick inventory of the specimens needed to complete the collection.

The rearrangement of the very large Michel collection of postal stationery was begun and has progressed substantially.

# Investigation and Research

## Anthropology

Head Curator Frank M. Setzler carried forward research resulting from his 1956 excavations of Marlborough Town, an early colonial site near Stafford, Va. He also prepared and delivered several lectures in connection with these excavations. In collaboration with Prof. Mildred Trotter and Oliver H. Duggins he published in the *American Journal of Physical Anthropology* "Hair of Australian Aborigines (Arnhem Land)." The introductions he prepared for two important archeological manuscripts were published.

**Archeology.**—Curator of Archeology Waldo R. Wedel and Museum Aide George Metcalf excavated sites for the River Basin Surveys from June 4 to September 10. Their investigations comprised the final season of work at a 3-occupation site at the junction of the Cheyenne and Missouri Rivers in central South Dakota (39ST1). This year the work was aimed at a clearer definition of the second occupation, but included also the excavation of approximately 50 graves assigned to the most recent occupation, the historic Arikara Indians, dating from around the middle of the 18th century. A well-documented series of skeletons was collected; their association with cultural materials, including both native pottery, pipes, stonework, bone, wood, textile fragments, and glass beads and metal of European origin, gives especial significance to the project in the archeological and historical studies being carried out along the Missouri River. An exceptionally complete series of photographs of the burials at all stages of the work was made. The site, from the excavation of which in 1951, 1955, and 1956 the National Museum will acquire a large and well-documented collection of pottery, stone, bone, and other artifacts, as well as an important series of skeletal materials, will be permanently flooded in a few years by Oahe Dam, now under construction by the Corps of Engineers a few miles north of Pierre.

Following his return to Washington, Dr. Wedel substantially completed the text of his report on archeological investigations in Kansas from 1937–40, and since. He also assembled a paper on "The Western Oneota," for presentation before a special symposium of the Society for American Archeology in Madison, Wisc., on May 3, 1957. At year's end, Dr. Wedel and Museum Aide Metcalf were again in the field in South Dakota.



Until October 1956 Associate Curator Clifford Evans, in collaboration with Honorary Research Associate Betty J. Meggers, worked on the final report of their archeological investigations in British Guiana. From October through the end of December they carried out archeological fieldwork on the Río Napo and its tributaries on the eastern slope of the Andes in Ecuador. This constituted one phase of a research program to discover the origin of the Marajoara Culture on the Island of Marajó, and is a follow-up of their (1948-1949) archeological researches at the mouth of the Amazon, in Brazil. The work was supported in part by a grant from the American Philosophical Society with magnificent cooperation from the Ecuadorean Government.

Survey and excavation of 12 large village sites on that portion of the Río Napo within the boundaries of Ecuador and one of its major tributaries, the Río Tiputini, produced quantities of ceramic materials that show definite relationships to the Marajoara Culture of the Lower Amazon. From January until mid-February 1957, Drs. Evans and Meggers, in collaboration with Sr. Emilio Estrada, Director of the Museo Arqueológico "Victor Emilio Estrada" in Guayaquil, Ecuador, continued research begun in 1954 on the coast of Ecuador, in Guayas Province, where they excavated more sites related to the Formative Period cultures and thereby established additional important links with Formative Period cultures in Middle America and Peru. In Guayaquil they attended the first Round Table on the Archeology of Ecuador.

From mid-February until the end of March, Drs. Evans and Meggers, in collaboration with Prof. José M. Cruzent of the Museo de Ciencias Naturales and the Universidad Central de Venezuela, examined 38 archeological sites, making stratigraphic excavations in the majority of them, on the upper part of the Río Orinoco and its tributary, the Río Ventuari, in Venezuela. The results of these excavations and subsequent researches show interesting connections between cultures in this part of the tropical forest of Venezuela and the aboriginal cultures of the Guianas, Colombia, and Brazil. Drs. Evans and Meggers spent two weeks in Colombia studying comparative collections in Bogota, Cartagena, and Barranquilla, during which time they consulted with the Director of the Instituto de Antropología Colombiana, Sr. Luiz Duque Gómez, and with the Colombian archeologists Alicia and Gerardo Reichel-Dolmatoff and Sr. Carlos Angulo.

Dr. Evans continues to represent the anthropological profession specializing in Latin America at the biweekly meetings of the Working Group on Inter-American Affairs, at the Department of State.

Museum Aide George Metcalf submitted to the River Basin Surveys for publication a report, "Star Village: A fortified historic Arikara

site in Mercer County, North Dakota." He resumed work on the report of a number of sites in the Davis Creek Valley, central Nebraska. In addition, he prepared an article, "The Affair at Wounded Knee," dealing with the last conflict between American Army Forces and Plains Indians.

Neil M. Judd, associate in anthropology, continued his researches on the archeological materials collected in Chaco Canyon, N. Mex., for the National Geographic Society. During the year a considerable manuscript had been prepared.

Dr. Walter W. Taylor, collaborator in anthropology, continued his analysis of the material excavated from the Cuatro Cienegas caves of central Coahuila, Mexico. New carbon-14 dates from the stratified deposits in Frightful Cave have indicated a much older stratum than heretofore suspected, and Dr. Taylor read at the 1956 annual meeting of the American Anthropological Association a paper entitled "Some Implications of the Carbon-14 Dates from a Cave in Coahuila, Mexico."

**Physical anthropology.**—Curator of Physical Anthropology T. Dale Stewart, from his studies on sexual differentiation of the pubic bone, has found certain changes in its symphyseal surface to be restricted to females and he was able to show that this feature has complicated the determination of age in ancient skeletal remains. Completion of his manuscript on the Potomac Creek archeological report was set aside while he carried out an assignment as chairman of a committee planning space requirements for the proposed wings for the Natural History building.

Dr. Stewart presented a paper on "American Neanderthaloids" at a symposium arranged by the American Institute of Human Paleontology, of which he is president, and held during the annual meeting of the A.A.A.S. in New York. At the 26th annual meeting of the American Association of Physical Anthropologists he presented a paper concerning the rate of development of hypertrophic arthritis of the vertebral column. In it he recorded observations on this feature noted in documented skeletons from the Terry collection, Washington University, St. Louis, and in remains of American soldiers studied while he was in Japan. From these two sets of observations he was able to show a continuous progression in vertebral lipping from early adulthood to senility. Dr. Stewart also prepared a report on the skeletal collections obtained from archeological sites in Kansas in 1937-39 by Waldo R. Wedel, curator of archeology.

Associate Curator Marshall T. Newman organized and carried out integrated biological and nutritional studies on the Indians at Hacienda Vicos in the North Central Peruvian Sierra. These studies, made in collaboration with North American and Peruvian scientists,

were aimed at demonstrating the effects of diet and disease upon the physical and clinical status of the Vicos Indians, who live on a bare subsistence level and under poor sanitary conditions. The strictly base-line biological studies were a phenotypic racial study by Dr. Newman on 150 adult Indian men, and a genetic study of 14 blood group systems on 435 Indians, ranged by families, by Dr. Fred H. Allen, Jr., associate director of the Blood Grouping Laboratory, Boston.

The interdisciplinary physical nutritional studies carried out by this group included a physical study of 210 Indian boys by Dr. Newman, paralleled by examinations for signs of nutritional deficiencies by Dr. Carlos Collazos Ch., Head of the Department of Nutrition in Peru's Ministry of Public Health; hemoglobin determination by Dr. Fred H. Allen, Jr., for some of the same boys; bone density co-efficients by Dr. Harald Schraer, Head of Pennsylvania State University Bone Density Research and Evaluation Center; and skeletal age determinations by Dr. Newman on 120 hand X-rays for the same boys. Added nutritional background was provided by an 11-family food-intake survey by Senorita Carmen Caceres C. of Dr. Collazos' department, and a long-range food habits study by Senor Hector Martínez A. In addition, a preliminary heart study was made, consisting of dietary data and blood pressures by Dr. Newman, cholesterol and phospholipid levels by the Epidemiological Research Center (USPHS), Framingham, Mass., and medical data from the mobile clinic of the Programa Patavilca, Huaras, y Huaylas (UNICEF). Dr. Newman also spent 15 days excavating subterranean tombs of Recuay culture at two sites on the hacienda. The Hacienda Vicos biological studies were announced in *Science*, and Dr. Newman lectured on various aspects of them before several groups. He also spoke to the anatomy students at George Washington University Medical School in "Human Adaptation to Environmental Stresses."

During August and part of September, Dr. Newman furthered his studies on body weight and climate in the aboriginal New World and the physical and clinical characteristics of the Wai-Wai Indians of British Guiana. In addition, he served on the Committees on Fellowships and the International Directory of Anthropologists in the Division of Anthropology and Psychology, National Research Council, and assisted the Committee on International Exchange of Scholars in developing research programs in Peru.

Museum Aide Lucile E. Hoyme studied the pelves in the collection of the Department of Anatomy at Howard University in connection with her investigations of sex differences in the innominate. Part of her findings were presented at the 26th annual meeting of the American Association of Physical Anthropologists.

**Ethnology.**—Curator of Ethnology Herbert W. Krieger, continued his long-range comparative research of Antillean Indian cultures, based on historical source documentation and on the collections made under Smithsonian grants from the Dr. W. L. Abbott and Ernest N. May funds at archeological and historical Indian village sites in the Bahamas, Cuba, Dominican Republic, Haiti, and the Virgin Islands.

Associate Curator C. Malcolm Watkins has conducted documentary research and studied over 700 lots of artifacts in connection with archeological investigations made by Head Curator Frank M. Setzler at Marlborough, Va., under a grant from the research funds of the American Philosophical Society. His long-range study of 17th-century ceramic types used in the seaboard colonies was continued with the two-fold purpose of providing useful control data for the archeologists and shedding light on colonial trade and customs.

Assistant Curator G. Carroll Lindsay has investigated the history of the Scott Brothers Pottery of Portobello, Scotland, and has studied a collection of its unique products now on loan to the museum from Mrs. Miriam F. Belcher. His conclusions will provide new data on a little-known earthenware type. He has also been engaged in a comparative study of eastern woodland Indian bark dwellings recommended in a London tract of 1652 for use by English settlers in New Jersey.

Assistant Curator Rodris Carson Roth, a newcomer to the staff, has initiated research in household surroundings of the Colonial and Federal periods, such as floor coverings, curtains, upholstery, and tea-drinking equipment. Her research has been of immediate usefulness in the furnishing of period room exhibits, in addition to its long-range historical value.

**Research by visiting investigators.**—During the year 3,624 visitors requested information, examined collections, or conferred with staff members on anthropological problems; 3,811 letters were written; and 11,863 telephonic inquiries were answered. Considerable interest was shown by several outside investigators on the extensive collection of early 19th-century paintings of Indian portraits by George Catlin and Charles Bird King. Many specialists in antiques conferred with our cultural historians as a result of the newly opened exhibit "Everyday Life in Early America."

As a result of the Fifth International Congress of Anthropological and Ethnological Sciences held in Philadelphia, Pa., Sept. 1-9, 1956, the following distinguished visitors and scientists from foreign countries conferred with the staff, and most took advantage of this opportunity to use the anthropological collections for their individual research:

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| <p>Father Edouard Boné, S. J., Louvain, Belgium: Skeletal collections.</p> <p>Prof. George Vanderbroek, Louvain, Belgium: Australian skeletal collections.</p> <p>Dr. Lidio Cipriani, Florence, Italy: Indian skeletons.</p> <p>Dr. Franz Hamperl, Vienna, Austria: Paleopathology.</p> <p>Dr. D. A. Olderogge, Leningrad, U.S.S.R.: African collections.</p> <p>Dr. I. I. Potekhin, Moscow, U.S.S.R.: American Indian collections.</p> <p>Prof. G. F. Debets, Moscow, U.S.S.R.: American Indian skulls.</p> <p>Dr. Adolph Schultz, Zurich, Switzerland: Primates.</p> <p>Dr. Ronald Singer, Mowbray, South Africa: Museum techniques.</p> <p>Dr. Masao Oka, Tokyo, Japan: Ethnography of Formosa.</p> <p>Prof. Hishashi Suzuki, Tokyo, Japan: American Indian skulls.</p> <p>Dr. and Mme. H. V. Vallois, Paris, France: Human paleontology.</p> <p>Dr. J. W. Weiner, Oxford, England: Ancient man and environments.</p> | <p>Dr. J. B. Jorgenson, University of Copenhagen, Denmark: Eskimo skulls.</p> <p>Dr. I. Noel Hume, Guildhall Museum, London, England: American pottery and glass.</p> <p>Dr. Marius Barbeau, National Museum of Canada, Ottawa, Canada: Art of the North American Indian and Eskimo.</p> <p>Mr. Jose J. Figueira, Montevideo, Uruguay: Ethnographical materials from Uruguay and neighboring areas of Argentina and Brazil.</p> <p>Dr. N. P. Erman, Turkey: Storage methods and care of study collections.</p> <p>Dr. Rudolph Rahmann, S. V. D., Editor of <i>Anthropos</i>, Freiburg, Switzerland: Negrito collections.</p> <p>Dr. Helmut Petri, Frobenius Institute, Frankfurt-am-Main, Germany: Recent publication dealing with ethnographical collections.</p> <p>Dr. Georges Szumowski, Chef de la section d'archéologie et préhistoire de l'Institut Français d'Afrique Noire: African collections.</p> |
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## Zoology

An outstanding event in the department's activities for the year was the Smithsonian-Bredin Society Islands Expedition which, in 46 days at sea and ashore, visited and collected at 129 stations at seven islands in French Oceania: Tikahau and Makatea in the Tuamotus; and Bora Bora, Raiatea, Huahine, Moorea, and Tahiti in the Society Islands.

The expedition is the third of a series most generously sponsored by Mr. and Mrs. J. Bruce Bredin of Wilmington, Del., the first being to the Belgian Congo in 1955 and the second to the Lesser Antilles in 1956. This year's expeditionary party, all marine biologists, consisted of Dr. Thomas E. Bowman, specialist on the copepod, amphipod, isopod, and other smaller crustaceans; Charles E. Cutress, specialist on sea anemones, who is also responsible for the echinoderm collections in the National Museum; Dr. Harald A. Rehder, curator of mollusks, and Dr. Waldo L. Schmitt, head curator of zoology, whose major interest is in decapod crustaceans. For transport through the islands, as base of operations and floating laboratory, Mr. James McConaughy of Dayton, Ohio, made available his sturdy and most

practical 56-foot motor-sailer the *Mareva*. It was most fortunate that she was provided with sails, for on the first attempt to reach the Tuamotus the oil line to the main engine blew out, and without sails the ship might have drifted around for days in those little traveled waters; as it was, only a day was lost.

It is a little early to speak of scientific results, but it is certain that the specimens collected on land and in the sea will materially enhance the national study collections of fishes, mollusks, echinoderms, and coelenterates. In addition, samples of soil from various parts of the different islands were gathered for biotic assay.

Among the most important collections of lower crustaceans, according to Dr. Bowman, are a series of 10 plankton tows from the lagoons of the different islands, and five lots of talitrid amphipods, from three of the islands. Certain of the night dip-net collections made under a light yielded large numbers of lower crustaceans. Algal washings yielded good numbers of amphipods and harpacticoid copepods, and amphipods and tanaids were common in coral fragments. Isopods, except *Ligia*, were rare. Accordingly, the collection in general will undoubtedly prove to be valuable since few crustaceans have been obtained from the area.

What Dr. Bowman says of the lower crustaceans is true of all the collections made. The Museum possesses very little biological material from the Tuamotus or the Society Islands. For basic and revisionary systematic work in zoology a worldwide representation in whatever group of animals the specialist is interested in must be available.

Mr. and Mrs. Bredin, by means of their expeditions to parts of the world from which the National Museum has received little in the past, have enabled it to fill large gaps in the Museum's reference collections. The Institution and particularly its zoological staff are profoundly grateful to the Bredins for their exceedingly helpful scientific and material assistance.

While the Museum and its collections have benefited greatly from these Bredin Expeditions, so also have its participating staff members who, en route to the fields of operation, were afforded rewarding opportunities for visits to other scientific institutions and for making or renewing acquaintance with members of their staffs. Thus, in the course of the Society Islands Expedition visits were paid to the Allen Hancock Foundation and the University of Southern California in Los Angeles; the California Academy of Sciences in San Francisco; to the Bernice P. Bishop Museum, and the University of Hawaii, and the Pacific Oceanic Fisheries Investigation (POFI) of the U. S. Fish and Wildlife Service in Honolulu; and to the Ethnological Museum in Papeete, Tahiti, Miss Aurora Natua, Director. Not only were informative and stimulating conversations held and

ideas exchanged, but arrangements were also made for the loan and exchange of study materials and the identification of specimens.

**Mammals.**—At the request of the Armed Forces Epidemiological Board and the Graduate School of Public Health of the University of Pittsburgh, Curator David H. Johnson joined a virus research group headed by Dr. William McD. Hammon investigating mosquito-borne virus diseases in central Luzon, Philippine Islands. Dr. Johnson left Washington on July 24 and returned on October 10. As mammalogist of the group, he collected over 600 bats and other small mammals in the vicinity of Manila and Clark Air Force Base.

Associate Curator Henry W. Setzer prepared a report on his Libyan collections of 1955 and completed the studies he had undertaken on Egyptian insectivores, jerboas, and rabbits.

Associate Curator Charles O. Handley, Jr., though concentrating on mammals of Central and South America, continued his studies on those occurring in the southeastern United States. A new bat and a new murine opossum were described by him from Peruvian collections sent in by the Pan American Sanitary Bureau. On April 26 Dr. Handley left Washington to join a field party of the Gorgas Memorial Institute of Tropical and Preventive Medicine working in eastern Panama on sylvan yellow fever studies. At the close of the year he was still in the field and has reported good progress in collecting specimens of host species of mammals inhabiting the forest canopy.

During his temporary appointment on the summer intern program, Luis de la Torre completed three taxonomic papers on neotropical bats which were published later in the year.

**Birds.**—Two important works upon which Curator Herbert Friedmann had been engaged for some years went to press this year. One is the fifth and completely rewritten edition of the A. O. U. "Check-list of North American Birds" (with A. Wetmore and a committee of workers in other institutions); the other is the concluding volume of a distributional "Check-list of the Birds of Mexico" (with L. Griscom, A. H. Miller, and R. T. Moore). Under a continuing grant from the Guggenheim Foundation he has carried on his investigation of the nature of the digestion of beeswax by honey-guides. Encouraging progress was made by substituting ordinary domestic chicks for the rare African honey-guide. Extensive progress was also made in Dr. Friedmann's study of the problem of brood parasitism in the weaverbirds, and his report on it is about 75 percent complete. A few revisionary studies were made in a paper on the birds of Gaboon (with A. L. Rand), and he also completed a paper on the rediscovery of the Colombian red-eyed cowbird, the first one found in a century. It was discovered in a dealer's shipment of live birds.

Dr. Friedmann for two weeks was in residence at the University of California at Los Angeles as the first Lida Scott Brown Lecturer.

He also lectured at the University of California at Berkeley, at the University of Arizona, and at the University of Maryland.

Associate Curator Herbert G. Deignan continued his revisionary studies on the birds of southeastern Asia, and his work on the bulbuls, warblers, babblers, and other birds for the continuation of Peters' "Check-list of Birds of the World". Additions were also made to his completed manuscript catalogue of bird types in the Museum.

Museum Aide Bernard R. Feinstein completed a study of the geographic variations of a little known North Pacific seabird, the whiskered auklet.

Dr. A. Wetmore, research associate, though away part of the year collecting in Panama, devoted considerable time to work on the fifth edition of the A. O. U. "Check-list of North American Birds," and also studied the extensive Panamanian and Colombian collections amassed in recent years.

**Reptiles and amphibians.**—The nearly completed catalog of type material in the collections, which is being prepared by Curator Doris M. Cochran, will contain well over 1,600 names proposed since the establishment of the national collection over a century ago and based on National Museum material. Some work was accomplished on the bibliography for Paraná and western São Paulo for the supplement to her "Frogs of Southeastern Brazil." With the assistance of Werner Bokermann of São Paulo, who will become junior author of Dr. Cochran's contemplated "Frogs of Western Brazil," encouraging progress has been made in the collection of fresh material in the field.

**Fishes.**—Curator Leonard P. Schultz and Associate Curator Ernest A. Lachner continued with the final revisions of volume 2 of Museum Bulletin 202, "The Fishes of the Marshall and Marianas Islands," which was undertaken in conjunction with the 1946 atom bomb tests. Dr. Schultz initiated a study of the application of X-ray techniques in systematic ichthyology, beginning with the osteological relationship of parrotfishes, and also a study of the eels of the western Atlantic. His revision of the frogfishes, family Antennariidae, and of the parrot fishes, family Scaridae, are both in press.

In addition to the revisions undertaken in connection with the Bikini report, Dr. Lachner has nearly completed a revision of the disk fishes, order Echeineiformes, and another of the family Gobiidae. Revisionary study of the families Apogonidae and Mullidae were also started in the course of the year. Dr. Lachner spent  $4\frac{1}{2}$  months in Europe on a John Simon Guggenheim Memorial Foundation Fellowship, from March 12 to July 27, 1956. Type specimens totaling 807, and over 4,000 other fish specimens, were examined in 10 museums in 7 foreign countries.

He also examined the disk fishes and the barbeled minnows, genus *Hybopsis*, in the collections of Tulane University, New Orleans, dur-



ing the week of April 15, while attending the meetings of the American Society of Ichthyologists and Herpetologists. At this meeting he was elected to the editorial board of the Society.

Associate Curator William Ralph Taylor is actively engaged in reporting on the fishes of the Arnheim Land Expedition 1948. He also has underway a revision of the North American catfishes, genus *Noturus*, known as mad-toms because of their venomous pectoral spines. The revision involves an analysis of the higher groups in the family Ictaluridae.

Museum Aide Robert H. Kanazawa completed and submitted for publication his revision of the eels, genus *Conger*, in which are critically defined for the first time the genus itself and all known species referable to it; and a manuscript describing a new species, *Coloconger meadi*, and giving new records for the ateopid fish *Ijimaia antellarum*, both from the Gulf of California.

**Insects.**—Curator J. F. G. Clarke completed three papers: "Part 6, Oecophoridae, of the Microlepidoptera of Argentina"; "New Species of Batrachedra Attached to Agave"; and "New Microlepidoptera from Japan." Two other papers are nearly complete: "The Status of *Walshia amorpella* Clemens," and volume 6 of his large work, "Catalogue of the Type Specimens of Microlepidoptera in the British Museum (Natural History) described by Edward Meyrick." Dr. Clarke meanwhile has resumed his study of the Microlepidoptera of the Juan Fernandez Islands.

Associate Curator O. L. Cartwright continued his studies on the scarabid genera *Ataenius*, *Onthophagus*, and *Lisyrus*. His manuscript on the last-named genus is about 90 percent complete. June and July 1956 were spent at Portal, Ariz., collecting and making field observations on these beetles. He also further advanced two faunistic reports dealing with the Scarabaeidae of Micronesia and of Bikini.

Associate Curator William D. Field completed his study of the genera *Hypsochila*, *Phalia*, and *Piercolias* of the family Pieridae, and progressed with revisions undertaken on the subgenus Calycopsis of the genus *Teola* and on the genus *Baltia*.

Since coming to the Museum, Associate Curator R. E. Crabill has completed four short papers: "The Newport Chilopod Genera"; "The Validity of *Paroryzavalida* Cook"; "The Identity of the Gunthorp Types"; and "Notes on Plectrotaxic Criteria." In progress are five others, dealing with the *Geophilus mordax* complex in northeastern North America, the centipedes of New York State, the genus *Strigamia* in eastern North America; the ethopoyine genotypes, and check-list of the Chilopoda of Virginia.

Miss Sophie Parfin is making a study of the bionomics of the Mantispidae, and working on a paper with Dr. A. B. Gurney deal-

ing with aquatic Neuroptera for the forthcoming edition of Ward and Whipple's "Freshwater Biology."

**Marine Invertebrates.**—Curator Fenner A. Chace, Jr., collaborated with Talbot H. Waterman on the introductory chapter of a text on the physiology of Crustacea, soon to be published by the Academic Press. Currently, he is engaged in a study of the western Atlantic mantis shrimps of the genus *Lysiosquilla*.

Associate Curator Frederick M. Bayer completed a manuscript on the octocorals collected in the Gulf of Mexico by the Fish and Wildlife Service M/V *Oregon*, with a brief discussion of the zoogeography of the octocorals of this area. He also completed a paper on two plexaurid gorgonians from California; it includes descriptions and figures of important type specimens from the Muséum Nationale d'Histoire Naturelle, Paris, the Zoologisches Institut, Erlangen, and the Museum of Comparative Zoology, together with a key to the eastern Pacific plexaurid genera and a discussion of the zoogeographic affinities of the west American shallow-water fauna. A general survey of the shallow-water octocorals of the tropical western Atlantic and a revision of one of the families in this group, upon which Mr. Bayer has been engaged for some time, are nearing completion.

Associate Curator Thomas E. Bowman completed and submitted for publication studies on a new calanoid copepod from the Caribbean Sea; on the first Pacific record of the amphipod whale louse *Synchyamus*; on a new isopod of the genus *Argathona* from the Palau Islands; and, with Carlos Diaz-Ungria, a paper on aprasitic isopods from Venezuela. Dr. Bowman is also continuing work on the calanoid copepods collected during the first four cruises of the Fish and Wildlife Service M/V *T. N. Gill* off the southeastern United States, and on the amphipod genus *Parathemisto* in the North Pacific and adjacent Arctic Ocean. On March 29 Dr. Bowman visited the University of Hawaii and the Pacific Oceanic Fisheries Investigation headquarters in Honolulu to arrange for the study of certain of their plankton collections.

Associate Curator Charles E. Cutress nearly completed his study of the Hawaiian shallow-water sea anemones. His other current studies on the sea anemones of the Marshall and Gilbert Islands and of Samoa and Tahiti are essentially completed, but they are being set aside until the specimens collected on the Smithsonian-Bredin Society Islands Expedition can be evaluated and the resulting information incorporated in those papers. From October 22 through November 6, 1956, he examined type material of sea anemones in the Peabody Museum, in the Museum of Comparative Zoology, and in the American Museum of Natural History. In February 1957 Mr. Cutress visited Wesleyan University, Middletown, Conn., to arrange the transportation of a collection of miscellaneous invertebrates which that institution had

donated to the national collections. En route to the Society Islands in March 1957 he examined sea anemone material at the Allan Hancock Foundation, University of Southern California.

Clarence R. Shoemaker, associate in zoology, worked on the amphipod genera *Synchelidium*, *Platyischnopus*, *Megalupropus*, and *Parorchestia*.

Horton H. Hobbs, Jr., research associate, completed a manuscript on the evolutionary history of the *Pictus* group of the crayfish genus *Procambarus* and has almost finished a second manuscript on new species and records in this group. During a 2-months' visit to Mexico, he completed a study of the Cuban species of the ostracod genus *Entocythere* and began two other manuscripts, one on Cuban crayfishes and the other on Mexican and Cuban entocytherids.

J. Percy Moore, collaborator, finished a brief report on the deep-water leeches of the British-Australian-New Zealand Antarctic Expedition. He has also, at the age of 88, done considerable anatomical work on the leech genera *Macrobdella* and *Philobdella*, demonstrating that these two are less closely related than previously believed.

Under grant from the Carter Oil Company of Tulsa, Okla., Bertha M. Cutress on November 13 undertook a study of echinoid spines.

During the year, 14 specialists in other institutions agreed to identify material of various groups of invertebrates, for most of which there are no specialists on our staff. Of the 24 shipments, involving more than 1,264 specimens, sent to these unofficial collaborators, 12, including more than 117 specimens, have already been returned. The specialists rendering these gratuitous services and the groups on which they work are:

Dr. E. L. Bousfield: Amphipod crustaceans.	Dr. Paul L. Illg: Copepod crustaceans.
Dr. Ralph W. Dexter: Branchiopod crustaceans.	Dr. Karl Lang: Tanaid crustaceans.
Dr. G. E. Gates: Earthworms.	Dr. Marvin C. Meyer: Leeches.
Mr. George D. Grice, Jr.: Copepod crustaceans.	Dr. Mary D. Rogick: Bryozoans.
Dr. Willard D. Hartman: Sponges.	Dr. Willis L. Tressler: Ostracod crustaceans.
Dr. Libbie H. Hyman: Flatworms.	Dr. Harry C. Yeatman: Copepod crustaceans.
Dr. Dora P. Henry: Barnacles.	Mr. Fred C. Ziesenhenné: Echinoderms.

**Mollusks.**—Curator Harald A. Rehder continued work on the superfamily Pyramidellacea for the "Treatise on Invertebrate Paleontology." He spent April and most of May in the field as a member of the Smithsonian-Bredin Society Islands Expedition, collecting and studying marine animals, with special emphasis on mollusks.

Associate Curator Joseph P. E. Morrison did further work on the Ellobiidae, a family of salt-marsh snails, and the Hydrobiidae, a family of tiny fresh-water snails, and did considerable research on the Corbiculidae, a family of American brackish water clams.

**Research by visiting investigators.**—In addition to investigators from Federal agencies located in the Washington area, more than 1,098 (as compared with 216 last year) professional biologists and students interested in some phase of systematics or some group of animals, paid one or more visits to the Museum examining specimens, reference works, or in consultation with members of the staff. Foreign scientists, who pursued investigations in the department of zoology and their special field of interest, included:

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| Dr. George Vanderbroek, Louvain Museum, Brussels, Belgium: Primates.   | Mr. G. J. Kerrich, London, England: Hymenoptera.   |
| Dr. Adolph H. Schultz, Anthropologische Institut der Universität Zürich, Switzerland: Primates.                                | Dr. Vitorio Delucchi, Mendrisio, Switzerland: Hymenoptera.   |
| Dr. Karl Koopman, New York, New York: West Indian mammals.   | Dr. F. I. van Emden, London, England: Diptera.   |
| Father E. Boné, University of Louvain, Belgium: Giraffe.   | Mr. J. F. Perkins, London, England: Hymenoptera.   |
| Dr. A. W. F. Banfield, Canadian Wildlife Service, Ottawa, Canada: Caribou.   | Mr. H. F. Barnes, Rothamstead, England: Diptera.   |
| Mr. John S. Tener, Canadian Wildlife Service, Ottawa, Canada: Muskoxen.  | Dr. Frederico Lane, São Paulo, Brazil: Coleoptera.   |
| Dr. Kai Curry-Lindhal, Stockholm, Sweden: African specimens of the yellow wagtail, <i>Motacilla flava</i> .                    | Dr. Donald Chant, Belleville, Ontario, Canada: Acarina.  |
| Dr. J. A. Pringle, Natal Museum, Pietermaritzburg, South Africa: Storage methods and recording and documenting of collections. | Dr. David Hardwick, Ottawa, Canada: Lepidoptera.   |
| Dr. P. E. P. Deraniyagala of Ceylon: Sea turtles.  | Dr. Eugene Monroe, Ottawa, Canada: Lepidoptera.  |
| Captain Carl L. Blumenthal, Hamburg, Germany: Coleoptera.  | Mr. J. P. Doncaster, London, England: Coleoptera.  |
| Dr. Alberta W. Vasquez, Mexico, D. F., Mexico: Lepidoptera.  | Dr. J. Ghesquière, Menton, France: Hymenoptera.  |
| Dr. Keizo Yasumatsu, Fukuoka, Japan: Hymenoptera.  | Dr. Walter Forster, Munich, Germany: Coleoptera.   |
| Dr. Clare Baltazar, Manila, P. I.: Hymenoptera.  | Dr. E. Haaf, Munich, Germany: Coleoptera.  |
| Dr. Akif Kansu, Ankara, Turkey: Lepidoptera.   | Dr. Astrid Løken, Bergen, Norway: Hymenoptera.   |
| Dr. J. Maldonado, Puerto Rico: Hemiptera.  | Dr. Isabel Farfante, University of Havana, Cuba: Penaeid shrimps and literature.                         |
| Dr. Shizuo Kato, Tokyo, Japan: Diptera.  | Dr. L. B. Holthuis, Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands: Decapod crustaceans.      |
| Dr. C. Watanabe, Hokkaido, Japan: Hymenoptera.   | Dr. Takasi Tokloka, Seto Marine Laboratory, Wakayama-ken, Japan: Tunicates.                              |
| Dr. J. van Dinther, Paramaribo, Dutch Guiana: Insect biological control.   | Dr. Caesar R. Boettger, Zoologische Institut, Technische Hochschule, Braunschweig, Germany: Land snails. |
| Dr. S. L. Tuxen, Copenhagen, Denmark: Hemiptera.   | Dr. Alfredo de la Torre, Matanzas, Cuba: Recent and fossil Cuban mollusks.                               |
| Mr. Robert Benson, London, England: Hymenoptera.   |  |

## Botany

***Phanerogams.***—Curator Lyman B. Smith was in southern Brazil from October 1956 to May 1957 studying the flora of the region, with the support of a grant from the National Science Foundation and in collaboration with the Herbário "Barbosa Rodrigues." Over 5,000 numbers of plants were collected on the planalto of Santa Catarina and adjacent regions as a basis for phytogeographical research on the origin of the flora of southern Brazil. Large series from these collections were deposited in the Herbário "Barbosa Rodrigues," the Museu Nacional, and the Jardim Botânico do Rio de Janeiro as a basis for further collaboration in research with the U. S. National Museum. He visited a number of other Brazilian herbaria in an effort to promote closer relations in studies of mutual interest. With Dr. R. J. Downs, he continued preparation of a study of the Euphorbiaceae of the Brazilian State of Santa Catarina. In July he visited the Harvard University Herbarium and Library to carry on research studies. Dr. Smith supervised the work of two candidates for the degree of Ph. D. at George Washington University, such work being based very largely on the material in the National Herbarium.

Associate Curator E. H. Walker continued the preparation of a flora of Okinawa. Originally planned as an annotated list, it was enlarged at the request of the U. S. Civil Administration of the Ryukyus by adding keys and brief descriptions. This change will greatly increase the usefulness of the flora, which will be published by the above organization and will complete Dr. Walker's work on the botanical phase of the U. S. Government's scientific investigation of the Ryukyu Islands, begun in 1951.

Associate Curator E. C. Leonard continued preparation of a paper on the Acanthaceae of Argentina, completing the descriptions of the species and an index of about 400 available specimens. He is now engaged in writing the citations of specimens and making illustrations.

Associate Curator Velva E. Rudd started work on a treatment of *Aeschynomene* for the "Flora Malesiana," and initiated studies of several small genera of the Aeschynomeninae preparatory to completion of a revision of the entire subtribe. She spent a short time at the New York Botanical Garden examining material in connection with her current research.

Dr. Richard S. Cowan, who joined the staff on May 1, 1957, as associate curator, plans to continue his research in the caesalpinoid Leguminosae.

Mr. E. P. Killip, research associate, continued his collecting of plants on the Isle of Pines, Cuba, and in southern Florida.

***Grasses.***—Curator Jason R. Swallen continued his studies of the grasses of southern Brazil. A small collection of grasses obtained by

E. Yale Dawson on the Machris Brazilian Expedition was found to include several new species from central Brazil. His descriptions of these will be published by the Los Angeles County Museum in the reports of the expedition. Three papers were published, one on new grasses from Santa Catarina, Brazil, and the other two on the grasses of the Guayana Highland, Venezuela.

Mrs. Agnes Chase, research associate, completed her work of editing and verifying the index of species of grasses, to which she has devoted most of her time over the past three years. Typing of the cards has also been finished.

Dr. F. A. McClure, research associate, continued his work on bamboos under a grant from the Maria Moors Cabot Foundation of Harvard University. Assembling and processing of literature concerning the taxonomy of the bamboos continued under a grant from the National Science Foundation. An increase of about 500 percent of the publications available in photostat copies has made possible his preparation of a paper, "Typification of the Genera of the Bambusoideae, with Some Notes on Status," to be published in *Taxon*. Progress has been made on the revision of the subfamily Bambusoideae for the new edition of Engler and Prantl's "Natürlichen Pflanzenfamilien."

**Ferns.**—Curator C. V. Morton continued with the research projects now under way on the fern floras of Central America and Cuba. A series of studies of cultivated ferns and their nomenclature was started, and two papers have been prepared.

In late July and early August Mr. Morton visited botanical gardens, arboretums, and herbariums in California, studying ferns in cultivation. Beginning on August 20, he attended the annual field trip of the American Fern Society, of which he was the organizer and one of the leaders. The trip, which started in the city of Quebec, Canada, and proceeded to the Gaspé Peninsula, occupied 6 days, during which time various interesting botanical localities were investigated, especially the slopes of Mount Albert, in Gaspé National Park, and Mount Sainte Anne, near Percé. A number of botanical collections were obtained for the Museum. He also attended the annual meetings of the American Institute of Biological Sciences at Storrs, Conn., August 27–29, where he presided at the annual meeting of the American Fern Society.

**Cryptogams.**—Associate Curator Paul Conger continued his studies of the diatom flora of Chincoteague Bay, Md., and worked on a monographic revision of the genus *Grammatophora*. He also spent some time in the study of the significance and causes of abnormal forms of diatoms.

**Research by visiting investigators.**—Dr. Kittie F. Parker, formerly of the University of Arizona, carried on her research on the

western flora, especially Compositae. Dr. José Cuatrecasas continued as a resident investigator on the basis of a grant received by the Smithsonian Institution from the National Science Foundation, completing treatments of the Burseraceae and Malpighiaceae in his study of the flora of Colombia. Dr. Marshall C. Johnston of Fort Detrick, Md., carried on research in the genus *Dyssodia*, using the herbarium on weekends throughout the year. Dr. George Black, of the Instituto Agronomico do Norte, Belém, Pará, Brazil, completed his monograph of *Axonopus*. He returned to Brazil in October. Dr. Efraím Hernández X., Escuela Nacional de Agricultura, Mexico City, spent several months at the herbarium studying the grasses of Mexico.

Other visitors who spent shorter periods in the department consulting the collections included Lyman Benson, Pomona College; I. D. Clement, Atkins Garden and Research Laboratory, Cienfuegos, Cuba; Leslie A. Garay, University of Toronto; Rogers McVaugh, University of Michigan; George B. Van Schaack, Missouri Botanical Garden; Clair A. Brown, Louisiana State University; Prof. P. N. Mehra, Punjab University, Amritsar, India; Rolla M. Tryon, Missouri Botanical Garden; Richard D. Wood, University of Rhode Island; and John L. Stone, Royal Microscopical Society, London. Staff members of other government agencies, especially the Department of the Interior and the Department of Agriculture, continue to use the facilities of the department regularly.

## Geology

**Mineralogy and Petrology.**—Acting Curator George Switzer completed work on a new mineral from Mexico, paratellurite, a tetragonal form of tellurium dioxide. A restudy of the rare mineral pilinite was also completed, done jointly with Miss Laura Reichen of the U. S. Geological Survey. Work was continued on a long-term research project involving a detailed study of the sulfates and related minerals. Dr. Switzer prepares annually a review of the diamond industry widely used by government agencies, commercial organizations, and others interested in the many phases of the diamond industry. During the year Dr. Switzer was a member of the panel on industrial diamonds, organized by the Materials Advisory Board of the National Academy of Sciences in order to advise the Office of Defense Mobilization on a research program to compare the properties and performance of man-made diamonds with natural diamonds.

Associate Curator E. P. Henderson completed descriptions of several unstudied meteorites in the Museum collection, and directed part of a U. S. Air Force research program dealing with meteorites (AF 18 (600) 1596).

The phase of the Air Force project being pursued here under Mr. Henderson's direction deals essentially with the morphology of meteorites. The work involves making an album of photographs of meteorites, and relating internal structures to surface features of those meteorites which show an indication of having been orientated or fractured in flight. Plaster models are made and cross sections cut to determine the center of the mass, and to observe the form and angularity of the specimens. Much of the technical work is being done by Mr. Grover Moreland, physical science aide, Mr. Jack Scott, photographer, and Mr. Robert Jones, museum aide.

***Invertebrate Paleontology and Paleobotany.***—Head Curator G. A. Cooper has a number of projects under way: two of them are in the Permian, three in the Mississippian, one in the Devonian, and one in Recent and Tertiary brachiopods. That on the Permian of the Glass Mountains is a continuing project on which progress to date has consisted of gathering together the collection and sorting it into genera. The collection is now assembled in 31 standard quarter-unit cases, and an aide is engaged in the 4-year task of processing and describing it. The second Permian project, a description of the brachiopods from the Permian of north-central Texas collected by Dr. R. C. Moore, is being done in conjunction with the Glass Mountains studies.

Of the three Mississippian projects started, one is on the early Mississippian brachiopods of the Caballero formation of the Sacramento Mountains, and the second is on the beautiful brachiopods from the Lake Valley formation of New Mexico; in both, the collections have been assembled and the specimens are being made ready for photography. In the third, on the Mississippian brachiopods of Oregon, all the specimens have been prepared, the pictures made, and only writing the manuscript remains to be done. For the Devonian project, a description of the Devonian fossils from the Sacramento and San Andres Ranges in New Mexico, the specimens are being prepared. For the final project, a description of the Tertiary and Recent rhynchonellid brachiopods, the pictures have been made and completion of the manuscript is scheduled for the end of 1957.

In mid-August Dr. Cooper, in company with Dr. C. O. Dunbar of Yale University and Dr. L. G. Henbest of the U. S. Geological Survey, went to Marathon, Tex., where a week was spent in examination of critical parts of the Glass Mountains section with the idea of reaching a conclusion on age determinations. After the week in the Glass Mountains, Cooper and Dunbar went to Nogales, Ariz., and thence to the International Geological Congress in Mexico. After the Congress in late September, Cooper returned to Nogales and took the car to Alamogordo, N. Mex., where he was joined by Arthur L. Bowsher and



J. Thomas Dutro of the U. S. Geological Survey. The party spent about five weeks studying the Devonian sediments exposed in the Sacramento and San Andres Mountains, which bound the east and west sides of the White Sands area. A good collection was made of the Devonian fossils which are to be jointly described by Dutro and Cooper.

At the November meetings of the Paleontological Society, Dr. Cooper was elected president of that organization for the year 1956-57.

Associate Curator Alfred R. Loeblich, Jr. (in collaboration with his wife, Helen T. Loeblich, research associate), spent the bulk of his time in this fiscal year on research connected with his program on the planktonic Foraminifera, completing eight manuscripts, some of which, together with those from other contributors to the project, will make a volume to be published as U. S. National Museum Bulletin 215 in fiscal 1958. The two also continued their studies on the genera of the "smaller" Foraminifera to be included in the Treatise on Invertebrate Paleontology, which they expect to finish late in the present fiscal year or early in the next. The research of the Loeblichs included not only taxonomic work but studies in correlations based on the distribution of the planktonic Foraminifera. They have made a contribution to the difficult problem of the recognition of the Paleocene and its separation from the Cretaceous.

On July 7, 1956, Dr. Loeblich and Dr. Hans Bolli of Trinidad Oil Company, Ltd., Trinidad, B. W. I., left Washington for Alabama and Texas to make a study of the Cretaceous-Tertiary boundary in those States and to collect foraminiferal samples from the strata overlying this boundary. In addition, samples were collected from the Paleocene strata (Wilcoxian and Midwayian). A further object of the study was to get background information for correlation of late Cretaceous and early Tertiary strata along the Atlantic Coastal Plain across Alabama into Texas. In addition to the expedition to Alabama and Texas, several trips were made by Dr. Loeblich to nearby Maryland and Virginia to collect foraminiferal samples from high Cretaceous and Eocene strata exposed near Washington.

During the Council meetings of the Society of Economic Paleontologists, Dr. Loeblich was appointed chairman of a committee to study the long-range publication policies of the *Journal of Paleontology* and the *Journal of Sedimentary Petrology*.

On June 27, 1957, Dr. Loeblich left the Museum to join the staff of the California Research Corporation, in Los Angeles, Calif.

Associate Curator David Nicol is widening his studies on the Paleozoic pelecypods, a group that has not received its due of attention. The national collection of these fossils is a fine one but has never been properly organized or studied in detail.

In July 1956 Nicol visited the Bermuda Biological Station for Research, where he collected living mollusks and obtained a collection of gorgonians and other material. He also collected fossil bird bones, land shells, and fossil marine mollusks. All these expeditions resulted in new material for the national collections.

The scientific illustrators, Lawrence and Patricia Isham, prepared more than 1,200 drawings of the smaller Foraminifera for Dr. Loeblich, in addition to drawings of skulls and bones for Dr. Gazin, of fishes or parts of fishes for Dr. Dunkle, and a number of drawings for Dr. Cooper, Dr. Nicol, and other members of the Museum staff. The Ishams also prepared an assortment of exhibit labels, exhibit sketches, diagrams and maps. The Ishams' drawings of Foraminifera have been applauded by many workers who use the papers in which their drawings appear.

Dr. R. S. Bassler, research associate, completed his study of the Ordovician cystoids, an extinct group of echinoderms, on which he has been working since his retirement in 1948.

Dr. C. W. Cooke, research associate, is completing a manuscript on American Tertiary echinoids of eastern United States for publication in the Professional Papers series of the U. S. Geological Survey.

Museum Aide Henry B. Roberts reorganized the collection of fossil crabs and arranged the specimens by families. Mr. Roberts is also continuing his researches on the Cretaceous crabs of the Atlantic Coastal Plain. He is revising old collections and working on new material from Mississippi.

**Vertebrate Paleontology.**—Curator C. L. Gazin completed his study of material of the ground sloth *Eremotherium rusconii* collected in 1950 and 1951 near Ocu and Pesé, Panama. The results of these studies appear in the Appendix of the Smithsonian Annual Report for 1956. He also completed a study of an unusually well-preserved skull of the middle Eocene creodont *Patriofelis ulta* collected by a party from the University of Utah and submitted to him for description. He has also started a review and revision of middle Eocene primates, numerous at that time but almost disappearing from temperate North America after the Eocene.

In early summer Dr. Gazin, Exhibits Specialist Franklin L. Pearce, and Exhibits Worker Theodore Ruhoff carried on field work in Wyoming and adjacent Nebraska. In the Wind River Basin the party was successful in obtaining upper Eocene artiodactyls. The quarries in which *Coryphodon* was discovered in 1954 were reopened and two more skeletons and another skull were obtained. Lower Eocene material was collected near the New Fork of the Green River and in Fossil Basin, Wyo. Investigation was made of the lower Oligocene exposures north of Harrison, Nebr., with good results.

In connection with his researches on middle Eocene primates, Dr. Gazin visited Princeton and Yale Universities to study and borrow specimens important to his researches.

During the year Dr. Gazin was appointed to serve for three years as representative of the Society of Vertebrate Paleontology in the Earth Sciences Division of the National Research Council. He continued to represent the same society as a director of the American Geological Institute. He also continues to serve as chairman of the Eocene Subcommittee of the Society of Vertebrate Paleontology's Committee on Nomenclature and Correlation of the North American Continental Cenozoic.

Although Associate Curator David H. Dunkle has been deeply engaged with plans for rehabilitating the exhibit hall of lower vertebrates, he has made progress in his studies on the Jurassic fish fauna of Cuba and on the vertebrate fossils of the Cretaceous Mowry formation of Wyoming and Montana. During his trip to Europe to obtain exhibition specimens of the lower vertebrates, he visited some of the British and European leaders in his field and had opportunity to see their laboratories and methods of study. Of especial value was his visit to the celebrated laboratory of Dr. Erik Stensiö, famous for the techniques he has developed in the study of fossil fishes.

In May Dr. Dunkle spent two weeks in the field with Dr. G. E. Lewis of the U. S. Geological Survey, collecting mammal-like reptiles in the Kayenta formation of northeastern Arizona. Material of four tritylodonts and a protosuchian were found.

Dr. Dunkle served as chairman of the Committee on National Science Foundation Post-doctoral Fellowships for the Division of Earth Sciences of the National Research Council, and as a member of the Cleveland (Ohio) Museum of Natural History Visiting Committee.

**Research by visiting investigators.**—Visitors of note to the Foraminifera collection were: Dr. Hans M. Bolli, Trinidad Oil Company, B. W. I., who accompanied Dr. Loeblich on a collecting trip to Alabama and Texas; Dr. J. C. Troelsen, University of Copenhagen, Denmark; Dr. Hans G. Kugler, Natural History Museum, Basle, Switzerland; A. F. J. Smit, University College, Ghana, West Africa; John B. Saunders, Trinidad Oil Company, Ltd., B. W. I.; A. W. Nauss, Klintar Oils, Calgary, Canada; Gordon Hunter, Gulf Coast Research Laboratory, Ocean Springs, Miss.; Dr. Steven K. Fox, Rutgers University; Jack F. Schindler, California Company, Pensacola, Fla.; Andrew W. Marianos, Humble Oil and Refining Company, Chico, Calif.; Gilbert Nouet, Compagnie Française de Petroles, Paris, France; Esteban Boltovskoy, Museo Argentino Nacional de Ciencias Naturales, Buenos Aires, Argentina.

Other visitors were: Dr. R. C. Moore, University of Kansas; Dr. Maxim K. Elias, Nebraska University; Fred M. Swain, University of Minnesota; Y. R. Bendor, Israel Geological Survey, Jerusalem, Israel; A. A. Öpik, Bureau of Mineral Resources, Canberra, Australia; Riuji Endo, President Saitama University, Japan; C. H. Crickmay, Imperial Oil Company, Ltd., Calgary, Canada; Karl M. Waage, Yale University; L. R. Cox, British Museum (Natural History), London, England; C. J. Stubblefield, Geological Survey and Museum, London, England, and Professor Tatsuro Matsumoto, Kyusu University, Fukuoka, Japan.

Users of the collections in the division of vertebrate paleontology included the following:

Bayard H. Brattstrom, Adelphi College, Garden City, N. Y., fossil snakes and lizards from the North American Tertiary; Michael Kelsey, Miami University, Oxford, Ohio, Paleozoic fishes; Dr. G. E. Lewis, U. S. Geological Survey, Denver, Colo., Plio-Pleistocene horse remains; Dr. M. Maldonado-Koerdell, Petróleos Mexicanos, Mexico, Cretaceous fish and certain Oligocene artiodactyls; Malcolm McKenna, University of California, Berkeley, Calif., types of Oligocene solenodont insectivores; Bryan Patterson, Museum of Comparative Zoology, Cambridge, Mass., Paleocene taeniodonts and Oligocene solenodont insectivores; Dr. Elwyn Simons, Princeton University, Princeton, N. J., Eocene *Coryphodon* remains and other pantodonts from the Paleocene; Louis Thaler, who has been carrying on advanced study under Abbe Lavocat in Paris, studied Plio-Pleistocene microtine rodents from Idaho and related forms from the San Pedro Valley of Arizona; Richard van Frank, Museum of Comparative Zoology, Cambridge, Mass., *Eremotherium* remains from Panama; Dr. T. E. White, National Park Service, Dinosaur National Monument, Utah, skull structure of the Jurassic dinosaur *Camarasaurus*.

## Engineering and Industries

**Engineering.**—Scripts have been completed for the Museum of History and Technology halls of tools, light machinery, physics, and chemistry. The manuscript of a booklet describing the new Hall of Power Machinery was completed by Head Curator Robert P. Multhauf, and a catalogue of the phonograph collection is in preparation by Associate Curator Edwin A. Battison and Leslie Newville.

Research papers have been completed on the history of the milling machine, by Curator Robert S. Woodbury; the natural philosophy of William Gilbert, by Associate Curator W. James King; 17-century mining machinery, by Dr. Robert P. Multhauf; the early his-

tory of the low-cost watch, by Edwin A. Battison; and the invention of the Graphophone, by Leslie Newville.

A report on European museums of science was prepared for publication by Dr. Multhauf, who was elected to the Council of the History of Science Society, and president of the Washington History of Science Club.

**Medicine and public health.**—Curator George B. Griffenhagen completed a script for the Museum of History and Technology exhibit of medical science, and published a booklet on the tools of the apothecary. He continued research in this field with articles on the pharmaceutical show-globe, ceramic apothecary jar, and mortar and pestle. With James Harvey Young, he completed an extensive study of the impact of old English patent medicines in America.

Mr. Griffenhagen served as executive secretary of the Fourth Pan-American Congress of Pharmacy and Biochemistry. In connection with this duty he visited South America, including in this tour visits to museums of medicine and pharmacy in Peru, Brazil, Cuba, and Venezuela. He was also re-elected to the position of secretary of the section on historical pharmacy of the American Pharmaceutical Association; appointed chairman of a special coordinating committee of the American Association of the History of Medicine, the American Academy of the History of Dentistry, the American Institute of the History of Pharmacy, and the History of Science Society; elected a "membre extraordinaire" of the Academie Internationale d'Histoire de la Pharmacie; and elected president of the Friends of Historical Pharmacy.

**Crafts and industries.**—The scheduling of the exhibit halls of textiles and agriculture for renovation in the immediate future has entailed considerable research towards documentation and presentation by Associate Curators Grace L. Rogers and Edward C. Kendall.

Miss Rogers completed an article on the history of the Scholfield wool-carding machine, and made significant progress on a catalog of the sampler collection. Mr. Kendall has nearly completed a short description of the Hohenheim plow collection.

**Industrial cooperation.**—Curator Philip W. Bishop has in progress a study of Alexander Lyman Holley and the 19th-century steel industry, a portion of which is scheduled for early publication.

**Graphic arts.**—Curator Jacob Kainen conducted research in Europe under a grant from the American Philosophical Society in connection with his nearly completed study of the color woodcuts of John Baptist Jackson. He completed two papers of smaller scope, on Jackson and his chiaroscuro, and on the work of Thomas Bewick in wood engraving. During his trip to Europe, Mr. Kainen visited museums in Holland, Belgium, Germany, France, Italy, and England.

Associate Curator A. J. Wedderburn, Jr., is engaged in a study of early daguerreotype portraits which will be completed within the year.

**Research by visiting investigators.**—A number of individuals worked in the collections. Mrs. Peter MacDonald and Mrs. Richard Wallis of the Junior League of Washington were assisted in preparing guided tours of the hall of power machinery. Dr. B. Francis Kuchka of the U. S. Forest Products Laboratory, Madison, Wis., visited the section of wood technology in connection with his critical investigation of woods of the Sapotaceae. Dr. Louis Marin, Madrid, Spain, examined our wood collection and studied literature on wood anatomy. He was particularly interested in photo-micrographs of wood.

David J. Culver, of the Culver Service, New York City, was assisted in research dealing with the daguerreotype, calotype, and other early forms of photography, and was furnished with a number of photographs which later appeared in *American Heritage*. Gordon Hendricks, who is writing a history of motion picture photography, received several days' assistance in research on this subject during his visit to the Museum. Irving Browning, president of the Society of Cinema Historians, was assisted during his visit to the section of photography to inspect that part of the research collection relating to the history of motion pictures. Six members of the staff of the Mariners' Museum of Newport News, Va., who visited the Museum to inspect the print collection were advised on methods for storing and preserving photographic prints.

Among visitors who conducted research in the section of graphic arts were two from foreign countries: Ercument Kalmik, Technical University, Department of Architecture, Istanbul, Turkey, and Jalal U. Ahmed, Karachi, Pakistan.

## History

**Civil History.**—Associate Curator Margaret Brown Klapthor completed a paper on umbrellas for the *Encyclopedia Britannica* and completed research for a supplement, on the inaugural dress of Mrs. Dwight D. Eisenhower, to the Smithsonian publication "The Dresses of the First Ladies of the White House." Mrs. Klapthor lectured to groups in the Washington area on the First Ladies Hall and on costumes in general, and again lectured on museum techniques of preservation and exhibition at the second annual short course on Historic Housekeeping, sponsored by the National Trust for Historic Preservation, in Cooperstown, N. Y. She also acted as consultant to the National Park Service on the costumes depicted in the dioramas prepared for the Jamestown Festival.

Work has been started on a catalog of the important Copp collection, of personal and household possessions of the Copp family of New England. Mrs. Murray and Mr. Dorman have been doing research on specimens in the collection as they prepare the specimens for exhibition. The collection has archival value because it covers an early period of national development and it has always remained together. Mr. Dorman continued work on a descriptive catalog of American furniture in the collections. Mrs. Murray began a descriptive catalog of the Quaker costumes and accessories, reported to be one of the finest and most complete in any museum in this country.

**Military history.**—Acting Curator of Military History Edgar M. Howell completed his study of Russian guerrilla activity in World War II. The volume was published by the Department of the Army under the title, "The Soviet Partisan Movement, 1941-1944." Mr. Howell also studied the collections, exhibit techniques, and preservation methods in the principal military museums of Spain, France, Austria, Belgium, Norway, Sweden, Denmark, and the United Kingdom. During May, he represented the Smithsonian Institution at the International Congress of Museums of Arms and Military Equipment at Copenhagen, Denmark.

Assistant Curator Craddock R. Goins, Jr., continued his studies of the Edward Maynard firearms and papers.

**Naval History.**—Acting Head Curator Mendel L. Peterson continued his study of the marking and decoration of muzzle-loading cannon, examining collections in Jamaica, Cuba, at Governors Island, N. Y., and at Boston, Mass. He also continued his study of the life of Daniel Noble Johnson, purser's clerk in the U. S. Navy in the early 1840's, with annotations to Johnson's journals kept on board the U. S. S. *Delaware* and *Enterprise* on the Brazil and Rio del Plata stations in the years 1841-1843. While on temporary special duty with the Office of the Chief of Naval Operations, he prepared a paper on museums in the naval service which is being distributed to ships and stations through the naval establishment.

Mr. E. A. Link continued his support of the marine archaeology project with a substantial grant of funds and direction of field work in Jamaica at the site of Old Port Royal.

Dr. Vladimir Clain-Stefanelli was appointed curator of numismatics October 1, 1956. He is continuing his study of American engravers and medallists, and conducted a brief study of Confederate currency plates and of emergency paper money issues of 1848 in Palmanova.

Curator of Philately Franklin R. Bruns, Jr., as one of three philatelists, was appointed to the Post Office Department's Stamp Advisory

Committee, charged with selecting subject matter and designs for future United States stamps. He received the 1956 SEPAD (Associated Stamp Clubs of Southeastern Pennsylvania and Delaware) for outstanding national philatelic achievement, and was elected a director of the Fine Arts Unit of the American Topical Association.

***Research by visiting investigators.***—Among the outside investigators assisted in their study of the collections were: The Costumes Committee of the York County Historical Society; Mrs. Judy Seidenberg, costumes consultant of the Cabildo, New Orleans, La.; Rear Admiral W. R. Furlong, U. S. N. (Ret.), who is preparing a book on flags, and who studied a number of specimens in the collections; and Mr. Harold Peterson, of the National Park Service, who studied a number of specimens in the collections in the preparation of a volume on American knives.

Studying the philatelic collections were Morton Dean Joyce, Elliott Perry, William Maisel, George Slawson, Edward Conger, and Ellery Denison. Also, representatives of the U. S. Secret Service, the Treasury and Post Office Departments, the Library of Congress, and the Federal Bureau of Investigation.



# Publications

In addition to the Annual Report, the National Museum issued 23 publications based on research in the national collections. Of these, 5 were in the Bulletin series, 17 were in the Proceedings series, and 1 was a Contribution from the United States National Herbarium.

At the close of the year 3 Contributions from the United States National Herbarium, 8 Proceedings papers, and the following Bulletins were in press:

Bulletin 202, vol. 2. Fishes of the Marshall and Marianas Islands, by Leonard P. Schultz and collaborators: Wilbert M. Chapman, Ernest A. Lachner, Edward C. Raney, and Loren P. Woods.

Bulletin 211. Life histories of North America blackbirds, orioles, tanagers, and allies: Order Passeriformes: Families Ploceidae, Icteridae, and Thraupidae, by Arthur Cleveland Bent.

Bulletin 212. Checklist of the millipeds of North America, by Ralph V. Chamberlin and Richard L. Hoffman.

Bulletin 214. A Review of the parrotfishes, family Scaridae, by Leonard P. Schultz.

Bulletin 215. Studies in Foraminifera, by Alfred R. Loeblich, Jr. and collaborators: J. P. Beckmann, Hans M. Bolli, Eugenia Montanaro Gallitelli, Helen Tappan, and J. C. Troelsen.

Publications by the staff, including honorary members, totaled 182. These, listed on pages 71 to 80, were distributed as follows:

<i>Department</i>	<i>Publications</i>	<i>Department</i>	<i>Publications</i>
Anthropology . . . . .	25	History . . . . .	9
Botany . . . . .	35	Zoology . . . . .	64
Engineering and Industries . . . . .	14		
Geology . . . . .	35	Total . . . . .	182

## Publications of the United States National Museum

*July 1956 through June 1957*

### REPORT

The United States National Museum annual report for the year ended June 30, 1956. Pp. ix+105, illus., January 18, 1957.

### BULLETINS

Bulletin 185, part 6. Checklist of the coleopterous insects of Mexico, Central America, the West Indies, and South America, by Richard E. Blackwelder. Pp. viii+927-1492, May 15, 1957.

- Bulletin 207. American moths of the subfamily Phycitinae, by Carl Heinrich. Quarto, pp. viii+581, figs. 1138, September 18, 1956.
- Bulletin 209. Nearctic wasps of the subfamilies Pepsinae and Ceropalinae, by Henry Townes. Pp. iv+286, figs. 161, pls. 4, March 11, 1957.
- Bulletin 210. The first quarter-century of steam locomotives in North America: Remaining relics and operable replicas, with a catalog of locomotive models in the United States National Museum, by Smith Hempstone Oliver. Pp. 112, figs. 81, front., August 6, 1956.
- Bulletin 213. Automobiles and motorcycles in the U. S. National Museum, by Smith Hempstone Oliver. Pp. 157, figs. 103, front., June 25, 1957.

### PAPERS PUBLISHED IN SEPARATE FORM

FROM VOLUME 32, CONTRIBUTIONS FROM THE U. S. NATIONAL HERBARIUM

- Part 2. A revision of the genus *Nissolia*, by Velva E. Rudd. Pp. iii+173-206, figs. 3, November 7, 1956.

### PROCEEDINGS

FROM VOLUME 104 OF THE PROCEEDINGS

- Title page, table of contents, and index. Pp. i-iv, 651-694, June 5, 1957.

FROM VOLUME 106 OF THE PROCEEDINGS

- No. 3364. Chiggers of the genus *Euschöngastia* (Acarina: Trombiculidae) in North America, by Charles E. Farrell. Pp. 85-235, figs. 8, pls. 21, October 19, 1956.
- No. 3365. A new pinecone fish, *Monocentris reedi*, from Chile, a new family record for the eastern Pacific, by Leonard P. Schultz. Pp. 237-239, pls. 1, July 24, 1956.
- No. 3366. Some crickets from South America (Grylloidea and Tridactyloidea), by Lucien Chopard. Pp. 241-293, figs. 6, September 20, 1956.
- No. 3367. The Nearctic species of trigonalid wasps, by Henry Townes. Pp. 295-304, figs. 1, October 16, 1956.
- No. 3368. *Latheticomyia*, a new genus of acalyptrate flies of uncertain family relationship, by Marshall R. Wheeler. Pp. 305-314, figs. 2, October 22, 1956.
- No. 3369. A tribal revision of the Brachycyrtine wasps of the world (Cryptinae—Ichnumonidae), by Luella M. Walkley. Pp. 315-329, figs. 1, October 16, 1956.
- No. 3370. A new species of *Candacia* (Copepoda: Calanoida) from the western North Atlantic Ocean, by Abraham Fleminger and Thomas E. Bowman. Pp. 331-337, figs. 2, October 15, 1956.
- No. 3371. Emended description and assignment to the new genus *Ronalea* of the idotheid isopod *Erichsonella pseudoculata* Boone, by Robert J. Menzies and Thomas E. Bowman. Pp. 339-343, figs. 1, October 17, 1956.
- No. 3372. Observations on the amphipod genus *Parhyale*, by Clarence R. Shoemaker. Pp. 345-358, figs. 4, October 15, 1956.
- No. 3373. A revision of the acrocerid flies of the genus *Pialea* Erichson with a discussion of their sexual dimorphism (Diptera), by Evert I. Schlinger. Pp. 359-375, figs. 4, October 12, 1956.
- No. 3374. Further data on African parasitic cuckoos, by Herbert Friedmann. Pp. 377-408, pls. 4, October 24, 1956.
- No. 3375. Studies in Neotropical Mallophaga, XVI: Bird lice of the suborder Ischnocera, by M. A. Carriker, Jr. Pp. 409-439, figs. 9, January 30, 1957.

- No. 3376. A new genus and species of marine asellote isopod, *Caecianitropsis psammophila*, from California, by Robert J. Menzies and Jean Pettit. Pp. 441-446, figs. 3, November 2, 1956.
- No. 3377. Mammals of the Anglo-Egyptian Sudan, by Henry W. Setzer. Pp. 447-587, figs. 10, November 28, 1956.

## FROM VOLUME 107 OF THE PROCEEDINGS

- No. 3378. A new species of *Mysidopsis* (Crustacea: Mysidacea) from the southeastern coast of the United States, by Thomas E. Bowman. Pp. 1-7, figs. 2, February 15, 1957.
- No. 3379. *Rhynobrissus cuneus*, a new echinoid from North Carolina, by C. Wythe Cooke. Pp. 9-12, pls. 1, June 18, 1957.
- No. 3380. Formosan cossonine weevils of bamboo (Coleoptera: Curculionidae: Cossoninae), by Elwood C. Zimmerman. Pp. 13-23, figs. 2, March 25, 1957.

# Publications by Members of the Staff of the United States National Museum

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- Allard, H. A., and Leonard, E. C. Some vascular plants collected in and near the township of Oxford, Worcester County, Massachusetts. *Castanea*, vol. 21, No. 3, pp. 125-128, September 1956.
- Bayer, Frederick M. Octocorallia. In *Treatise on Invertebrate Paleontology. Part F. Coelenterata*, pp. 163-231, figs. 134-162, 1956.
- Berman, Alex, and Griffenhagen, George. Scenes from the history of hospital pharmacy. *Journ. Amer. Pharmaceut. Assoc. (Practical Pharmacy ed.)*, vol. 18, pp. 238-239, figs. 4, April 1957.
- Bowman, Thomas E. Una especie nueva de *Bopyrella* (Crustacea: Isopoda) de Los Roques, Venezuela. *Novedades Cientificas del Museo de Historia Natural La Salle, Ser. Zool.*, No. 19, pp. 1-4, 1 fig., 1956.
- . A new species of *Mysidopsis* (Crustacea: Mysidacea) from the southeastern coast of the United States. *Proc. U. S. Nat. Mus.*, vol. 107, No. 3378, pp. 1-7, 2 figs., February 15, 1957.
- . (See under Fleminger, Abraham, and also Menzies, Robert J.)
- Bruns, Franklin R., Jr. Stamps, Postage. *Encyclopaedia Britannica book of the year, 1957 Edition*.
- . The "Roosevelt" stamps. *Masonic Philatelist*, vol. 13, No. 8, pp. 4-5, 1957.
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- . Scott's advance sheets, vol. 2. *Mekeel's Weekly Stamp News*, vol. 86, No. 12, p. 90, 1956.
- . The new Museum of History and Technology. *Stamps*, vol. 97, No. 9, pp. 338-339, 1956.
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- . Estudios sobre Mallophaga Neotropicales (XIV) (Piojos de las Cotingidae) ("Studies in Neotropical Mallophaga-Lice of the Cotingidae"). *Revista de la Academia Colombiana de Ciencias*, vol. 9, Nos. 36 and 37, pp. 365-380, 1956.
- . Neotropical Mallophaga miscellany, No. 9. A new genus and species. *Revista Brasil. Ent.*, vol. 5, pp. 111-145, May 25, 1956.
- . Report on a collection of Mallophaga, largely Mexican (Part II). *Florida Ent.*, vol. 39, No. 1, pp. 19-43, March 1956.
- . Report on a collection of Mallophaga, largely Mexican (Part II). *Florida Ent.*, vol. 39, No. 2, pp. 69-84, June 1956.
- . Report on a collection of Mallophaga, largely Mexican (Part II). *Florida Ent.*, vol. 39, No. 3, pp. 119-132, September 1956.

- . Studies in Neotropical Mallophaga, XVI: Bird lice of the sub-order Ischnocera. *Proc. U. S. Nat. Mus.*, vol. 106, No. 3375, pp. 409-439, 9 figs., January 30, 1957.
- Chace, Fenner A., Jr.** Porcellanid crabs. *Expédition océanographique Belge dans les eaux côtières africaines de l'Atlantique sud (1949-1949)*. Résultats scientifiques, vol. 3, fasc. 5, pp. 1-54, 14 figs., 1956.
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- . The Frank Morton Jones collection of Psychidae. *Ent. News*, vol. 67 (8), p. 217, 1956.
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- . Provisional correlation of selected Cenozoic sequences in the western and central Pacific. *Proc. Eighth Pacific Sci. Congr.*, vol. 2, pp. 555-574, August 1956.
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**Agricultural and Mechanical College of Texas, College Station, Tex.:** 21 ferns, 1 cryptogam, from Mexico (213426); (through Dr. Omer E. Sperry) 1 phanerogam (212444).

**Agriculture, U. S. Department of, Washington, D. C.:** *Agricultural Research Service:* 161 phanerogams, U. S. and European sedges, 2 grasses, cultivated bamboos (211590); 602 phanerogams, 250 grasses from Canada and the United States, and 18 ferns collected by Dr. F. J. Hermann (213494, 214033, 214249); 56 plants from the United States and Canada (213600). *Entomology Research Division:* 122 phanerogams from Spain, Middle East, and Far East, collected by Mr. G. B. Vogt (214447); (through Dr. Paul W. Oman) 76 land snails from Costa Rica, Ecuador, Georgia, Hawaiian Islands, and Virginia (210930, 211481, 212513, 212815, 213423, 213741, 214445); 47 brackish water and land mollusks from Colombia, Ecuador, Mexico, Philippine Islands, Dominican Republic, and the United States (211128, 211828, 212739, 212287, 213321, 214330); 2 planarians from Honolulu (213146); 46,555 miscellaneous insects (214985); (through G. E. Gates) 97 oligochaetes from Italy collected 1925-26 (213164); (through Dr. Robert H. Jones) 35 sand flies, including holotype and allotype, and para-

types of 3 species (213442); (through Dr. Vincent D. Roth) "brown snail" from Arizona (214182); (through Calvin M. Jones) 12 horseflies from the United States (214916). *Horticultural Crops Research Branch*: 50 phanerogams, 60 grasses (214606); 47 phanerogams, 4 grasses from Costa Rica, collected by Dr. Bernice G. Schubert (212176). *Forest Service*: 2 samples of laboratory lobby floor made of paper, plastic-like paper laminate developed from wood (211905); 3 plants from Israel (212920); sample of Sondergerger pine from Louisiana, 16 samples of woods from Nicaragua (213040); 58 authentic specimens of woods collected in Puerto Rico (213041). *Soil Conservation Service*: 41 phanerogams, 48 grasses (212254). *Office of Plant and Operations*: 3 Winchester repeating carbines, model 1894 (212872).

Aichele, William, Hollister, Calif.: Envelope with A. P. S. convention station hand cancel, 5 A. P. S. 1956 convention programs (212196).

Aitken, Dr. Thomas H. G. (See Trinidad Regional Virus Laboratory.)

Aker, Samuel; Kass, David E.; and Kass, George C., Albany, N. Y.: 1 package of "Porter's Curative Sugar Pills," ca. 1845, in oval wooden box (212657).

Alaska, University of, Palmer, Alaska: 28 phanerogams, 54 grasses of Alaska (208910).

Alberta, University of, Edmonton, Alberta, Canada: (Through Dr. P. S. Warren) 23 brachiopods of the Devonian, northwestern Canada (213184), exchange).

Aldrich, T. H., Birmingham, Ala.: 3 gastropods from the Tertiary of Texas, 1 pteropod from the Tertiary of Alabama (213447).

Aldridge, David E., Baltimore, Md.: Big brown bat from Maryland (211700).

Alemán G., Dr. Cesar, Caracas, Venezuela: 4 amphibians, 8 reptiles, from Margarita Island, Venezuela (214178). (See also Museo de Historia Natural La Salle)

Alexander, Dr. C. P., Amherst, Mass.: 41 flies, including 5 paratypes, worldwide (214362). (See also Massachusetts, University of)

Allan, Greever (See Post Office Department)

Allard, H. A., Arlington, Va.: 79 phanerogams, 3 grasses, 13 ferns, 51 cryptogams from Virginia (214377).

Allard, H. F., Lima, Peru: 2 oil birds (211535).

Allen, Miss M. Jean, Naples, Italy: 81 polychaetes from Puerto Rico (209005).

Allum, Dr. Marvin O. (See South Dakota State College)

Altman, Capt. Robert M. (See Defense, U. S. Department of, *Department of the Army*)

Altonaer Museum, Hamburg-Altona, Germany: (Through Dr. E. Titschack) 5 thrips on slide, from Germany (214364).

Alva Studios, Inc., New York, N. Y.: (Through Mrs. Virginia Morris Pollak) portrait bust of Benjamin Franklin, reproduction of 1860 Lincoln campaign badge (213906).

Amano, Tetsuo, Naha, Okinawa: 26 phanerogams, 7 grasses, 3 ferns from Okinawa (211141).

American Hospital Association, Chicago, Ill.: (Through Dr. Verne Kallejian) display case containing 100 different kinds of surgical needles (214126).

American Legion, *Loyal Service Post No. 37*, Mission, Tex.: (Through O. K. Rumbel) 10 specimens of rocket mail material (211740).

American Museum of Natural History, New York, N. Y.: (Through Dr. C. H. Curran) 84 wingless flies from Kerguelen Island (213754); (through Dr. T. C. Schneirla) 20 ants from Central and South America (212682); (through Mrs. Patricia Vaurie) 29 American beetles, including 25 paratypes (212868).

American Philosophical Society, Philadelphia, Pa.: 760 artifacts excavated from the site of Marlborough, Va. (215041).

**Amor, Dr. I. Asensio**, Madrid, Spain: (Through Miss Mary Mrose) cardosonite from Puerto de Son, Coriena, Spain (214913).

**Amos, Dr. Arturo J.**, Buenos Aires, Argentina: 2 Mississippian brachiopods from Argentina (213841, exchange).

**Anders, Major F. L.**, Fargo, N. Dak.: Photograph "Chief-of-Scouts Young in the Field" and photograph of letter from Mary C. Lawton to Scouts of 1st Division, Spanish-American War (213450).

**Anderson, Mrs. David**, Hanover, Md.: Porcelain vase painted by Marshall Fry, 2 porcelain plates painted by Mrs. Ida Phillips Wheless, 7 pieces "blank" porcelain for painting (211929).

**Andrews, Mrs. Brookings T.**, Scarsdale, N. Y.: Matching slipper and clog of gold brocade, 18th century (214253).

**Andrews, Jay D.** (See Virginia Fisheries Laboratory)

**Anisgard, Dr. Harry W.**, Maracaibo, Venezuela: 5 types of Foraminifera of the Eocene of Cuba (211718).

**Anonymous**: Skull with lower jaw and nearly complete skeleton of Korean male adolescent (211596); terracotta tobacco pipe in form of man's head (211605); Staffordshire plate, "Boston Mails" series (212647); 4 silver spoons (212649); 6 envelopes with American Philatelic Society Convention cancellation, St. Louis, Mo., 1956 (213549); mummified bat (214996); 2 cacheted envelopes with special slogan cancel, U. S. first-day cover and cacheted cover from first 100 letters to be sorted by Transorma mail sorting machine at Silver Spring, Md. (215019).

**Antonio, Hilario C.** (See Philippines, Republic of the)

**Applegate, Shelton P.**, Washington, D. C.: 750 mollusks from the Miocene, Pliocene, and Pleistocene of Virginia, North Carolina, and Florida (214454). (See also Dunkle, Dr. David H.)

**Arellano, Dr. Alberto R. V.**, Mexico, D. F.: (Through Dr. C. L. Gazin) mollusk from Oaxaca, Mexico (212338).

**Arizona, University of**, Tucson, Ariz.: (Through Dr. Floyd G. Werner) 75

grasshoppers from North America (214628).

**Arkansas, University of**, Fayetteville, Ark.: (Through Prof. Dwight M. Moore) 2 ferns from Arkansas (212179).

**Arnaud, Dr. Paul**, Washington, D. C.: 20 moths from Japan (212009, 213281).

**Aron, William.** (See Washington, University of)

**Arpad, Michael**, Washington, D. C.: Pair of Empire-style white kid slippers without heels, first quarter 19th century (212188). (See also Schulman, Dr. Emanuel.)

**ARS Polona.** (See Poland, Government of)

**Artia, Ltd.** (See Czechoslovakia, Government of)

**Asato, Yoshio.** (See Ryukyu Islands, Government of the)

**Ashby, Wallace L., Jr.**, Springfield, Va.: Rostrum, portion of braincase, periotic and atlas of a skull of fossil porpoise (212660).

**Atefi, Abdolah**, Tehran, Iran: Iranian santoor (211602).

**Atkinson, Clinton E.** (See Interior, U. S. Department of the)

**Atomic Energy Commission**, Washington, D. C.: (Through Dr. Hans H. Adler) brannerite (absite) from Crocker's Well, South Australia, davidite from Tete District, Mozambique, thorite from Duck Creek, Broadwater County, Mont., thorite from Lemhi Pass area, Beaverhead County, Mont. (211575); 3 specimens of tyuyamunite from Big Horn County, Wyo. (212055).

**Atteberry, Eva**, Salem, Ill.: Sample of hand-knitted lace, mid-19th century (214185).

**Atz, James W.** (See New York Zoological Society)

**Augustson, G. F.**, Madera, Calif.: 25 true lice (214626).

**Australia, Government of**: *Botanic Gardens*: 42 phanerogams, 13 grasses, 26 ferns, 8 cryptogams from Australia (211144, 211909, 214248, exchange); 70 ferns, chiefly from Australia and New Guinea (212696, exchange); 14 ferns from Australia, New Caledonia, and

Samoa (213832, exchange). *Commonwealth Scientific and Industrial Research Organization*: 243 phanerogams, 8 grasses, 4 ferns, 2 cryptogams, from New Guinea, mostly collected by R. D. Hoogland (211322, exchange); 99 phanerogams, 90 grasses from Australia (214025, exchange); (through Dr. K. Norrish) kingite, a new hydrous aluminum phosphate from Australia (210433). *University of Melbourne*: (Through Dr. G. A. Thomas) 29 Permian brachiopods from western Australia (211334, exchange); (through Dr. N. V. Dobrotworsky) 6 mosquitoes (larvae) from Australia (214976).

**Automatic Electric Company**, Chicago, Ill.: Equipment for the telephone exhibit (215007).

**Axelrod, Herbert**, Jersey City, N. J.: 95 aquarium fishes (212298).

**Backus, Dr. Richard H.**, Woods Hole, Mass.: (Through Dr. Giles W. Mead) 2 fishes taken in 40 fathoms of water south of Cape Cod (212819); eel taken on an *Atlantis* cruise (213599).

**Badger, Mrs. June W.**, Middleburg, Va.: 8 earthworms (212537).

**Badgley, Dr. Max.** (See California, University of)

**Bailey, O. C.** (See Kellogg Switchboard & Supply Co.)

**Bailey, Dr. Reeve M.** (See Michigan, University of)

**Baker, Dr. Arthur S.** (See Interior, U. S. Department of the)

**Baker, Barbara Ann**, South Weymouth, Mass.: Child's dress, Empire period; 4 men's collars (211896).

**Baker, Prof. Frances E.**, Poughkeepsie, N. Y.: 131 models in pure mathematics, mathematical physics, projective and differential geometry, and Riemann surfaces, made by donor at University of Iowa, 1915-1935 (211257).

**Baker, James Kenneth** (See Texas, University of)

**Baker, Ralph J.**, Silver Spring, Md.: Treadle mortising machine (211931).

**Baker Brothers, Inc.**, Toledo, Ohio: Model of universal saw bench for wood-working (212901).

**Baldwin, Mr. and Mrs. J. Hicks**, Washington, D. C.: Man's garments of late 19th and early 20th centuries (212882).

**Baldwin, Wayne J.** (See California, University of)

**Baltars, Eduards**, Baltimore, Md.: 42 phanerogams, 4 grasses, from Maryland, collected by donor (213835).

**Bandy, Mark C.**, Moab, Utah: Specimen of greenockite in uraninite from Mi Vida mine, Moab, San Juan County, Utah (213052).

**Banks, Frank A.** (See Chicago, University of)

**Barber, Iola W.**, Berkeley, Calif.: 45 fresh-water mollusks from Stanislaus County, Calif. (210943).

**Barber-Colman Co.** (See Westinghouse Electric Corp.)

**Barnes, Col. Theodore**, Washington, D. C.: 2 Teddy bears, early 20th century; red paisley shawl; stocking doll (211897).

**Barnett, Major H. C.** (See Defense, Department of, *Department of the Army*)

**Barr, W. F.** (See Idaho, University of)

**Barretto, Prof. Mauro Pereira**, Ribeirão Preto, São Paulo, Brazil: 3 horseflies, paratypes, from South America (214625).

**Bartley, Floyd**, Circleville, Ohio: 77 phanerogams, 4 grasses, 4 ferns from U. S. (212918).

**Bartsch, Dr. Paul**, Lebanon, Va.: 1 bobwhite, 1 cardinal (214753).

**Bass, Lt. John Roy**, Arlington, Va.: Dugout canoe model acquired by donor during the post World War II period on the Island of Ponape, eastern Caroline Islands (214132).

**Bastos Tigre, Dr. Carlos.** (See Ministério da Viação e Obras Públicas)

**Batten, Dr. Roger L.**, Madison, Wis.: Brachiopod from Permian of Glass Mountains of Texas (213842).

**Baylis, Joseph Frank**, Winchester, Va.: (Through Dr. and Mrs. W. Blum) West Virginian-German bonnet box, 18th century (211497).



**Baylor University, Waco, Tex.:** (Through Prof. O. C. Charlton) meteorite from Mart, McLennan County, Tex. (212449).

**Beal, Dr. Richard S. Jr.,** Washington, D. C.: 2,229 beetles (213280).

**Beatty, Mrs. George H., III,** State College, Pa.: 370 dragon flies (212433).

**Beck, Mrs. Elizabeth C.,** Jacksonville, Fla.: 7 flies from Florida (211537).

**Becker, Prof. William B.** (See Massachusetts, University of)

**Belcher, Mrs. Miriam F.,** Garrison-on-Hudson, N. Y.: 2 pottery spheres (carpet balls) (213274).

**Belkin, J. N.** (See California, University of at Los Angeles)

**Bell, Wayne,** Arlington, Va.: 38 reptiles and amphibians from Virginia, collected by donor (212029); 3 reptiles from Georgia, collected by donor (214180).

**Bell Telephone Company of Canada, The,** Quebec, Canada: (Through G. L. Long) telephone equipment for the telephone exhibit (215009).

**Bell Telephone Laboratories,** Murray Hill, N. J.: (Through Henry J. Kostkos) 66 pieces of telephone equipment for the telephone exhibit (215003).

**Bellue, Mrs. Margaret K.** (See California, State of)

**Belmont Abbey College,** Belmont, N. C.: (Through Jack Hanahan) 3 hubernites, 1 lazulite, 1 samarskite, 5 kyanites, and 1 autunite, from North Carolina (214098, exchange).

**Belton, William,** Santiago, Chile: 11 birds from southeastern Brazil (211296).

**Benesch, Bernard,** Burrville, Tenn.: 13 beetles from the Philippines (209622); 7 beetles from Europe (212005).

**Bengston, Mrs. George,** Waterloo, Iowa: 26 marine mollusks and 1 barnacle from Puget Sound (210828).

**Benham, Mrs. Elisabeth D.,** Arlington, Va.: Watch with small verge movement (214383).

**Bennett, Fred D.** (See Great Britain, Government of)

**Benson, Robert B.** (See Great Britain, Government of)

**Bentley, Mrs. Jetson O.,** Alexandria, Va.: Decorated, coiled basketry granary jar, collected by Brig. Gen. Frederick S. Foltz, U. S. A., from the Apache of Arizona, 1879-1889 (211310).

**Ben-Tuvia, Dr. Adam.** (See Sea Fisheries Research Station)

**Berl, Herbert E. McC.,** Washington, D. C.: 2 Austrian stamps (212197).

**Bermuda Biological Station,** St. George's West, Bermuda: (Through Dr. W. H. Sutcliffe, Jr.) shrimp (210578).

**Bermudez, Pedro J.,** Jusepin, Monagas, Venezuela: Foraminifer from the Lower Oligocene of western province of Cuba (212888).

**Berner, Leo D.** (See Scripps Institution of Oceanography)

**Berry, Paul A.,** San Salvador, El Salvador: 5 cotton rats from El Salvador (213216).

**Berry, Dr. S. Stillman,** Redlands, Calif.: 8 gorgonians from Bahia de Adair, Sonora, Mexico (211050).

**Bettis, Alice Pilling,** Washington, D. C.: Late 19th-century woman's short slip, drawers, and hair bracelets (214857).

**Bickmore, Prof. Albert Henry,** St. Petersburg, Fla.: (Through Margaret B. Martin) white grosgrain-silk wedding cape trimmed with embroidery and fringe (213448).

**Bielawski, Dr. Ryszard.** (See Polish Academy of Sciences)

**Biester, Mrs. Rae V.** (See Treasury, U. S. Department of the)

**Biezanko, Prof. C. M.,** Pelotas, Rio Grande do Sul, Brazil: 300 Lepidoptera, 499 miscellaneous insects (211371, 211763), 198 Lepidoptera and 32 miscellaneous insects from Brazil (215080).

**Biggs, Dr. H. E. J.,** Kent, England: 5 crabs and 1 seahorse from Egypt and Port Fouad (210702, exchange).

**Bishop Museum, Bernice P.,** Honolulu, T. H.: (Through Dr. C. H. Edmondson) slug from Hawaii (211133); (through Dr. J. Linsley Gressitt) 4

cockroaches from Hawaii (214926); (through Dr. Yoshio Kondo) 9 land mollusks from the Hawaiian Islands (213012, exchange).

Blair, Charles S., Birmingham, Ala.: 20 brachiopods of the Silurian from Alabama (213445).

Blake, Dr. S. F., Arlington, Va.: 6 ferns from District of Columbia (212912).

Blevins, Miss Blanche Cleo, Washington, D. C.: Victorian "crazy patch" quilt (211582).

Bloodgood, Ruth, Washington, D. C.: U. S. silk flag, 46 stars (1908-1912), red stripes and blue union stamped on white silk (215063).

Blum, Dr. and Mrs. W. (See Baylis, Joseph Frank)

Blume, Prof. Dr. Werner, Goettingen, Germany: 2 young tauteras from New Zealand (212024, exchange).

Boegner Foundation, Margaret Grace, Philadelphia, Pa.: (Through Carl Zigrosser) book "The Sayings of Jesus" produced entirely by serigraphy by André Girard through sponsorship of Margaret Grace Boegner Foundation (213037).

Bohan, John H., Newton Highlands, Mass.: Pair metal-worker's shears (211305).

Bohart, Dr. R. M., Davis, Calif.: 8 mosquitoes from Okinawa (214977).

Boisvenue, Dr. R. J., St. Louis, Mo.: 6 microscope slides of American butterflies (214398).

Boker, John R., New York, N. Y.: 1,775 U. S. Tobacco Sales Tax stamps (213080).

Boland, Mrs. Julia Gibbons, (deceased): (Through Boland family) red-velvet piano cover elaborately embroidered, ca. 1870 (212878).

Boland family. (See Boland, Mrs. Julia Gibbons)

Bolyan, Helen, New Orleans, La.: 2 bones from trumpeter swan (212834).

Bonne-Wepster, Dr. J. (See Institute for Tropical Hygiene and Geographical Pathology)

Bordes, Dr. François, Courbevoie, Seine, France: (Through Dr. Ralph

Solecki) collection of flint artifacts manufactured in the paleolithic tradition by donor, also hammer stick used in making the objects (213032).

Borro, Primitivo, Havana, Cuba: 2 brachiopods, early Tertiary of Cuba (214015).

Bos, Mrs. D. S., Barranca bermeja, Colombia: 22 butterflies, 20 beetles, from South America (214490); 84 butterflies and beetles (214930).

Botanisch Museum en Herbarium, Utrecht, Netherlands: 105 ferns (214378, exchange).

Botanische Staatssammlung, Munich, Germany: 92 phanerogams, 8 grasses from Venezuela, collected by Pater Vogl (211679, exchange).

Botanisches Institut der Universität, Heidelberg, Germany: 22 plants from South America collected by W. Rauh and G. Hirsch (212234).

Botanisches Institut der Universität, Frankfurt am M., Germany: 54 ferns from El Salvador (201740).

Bottimer, L. J., Kerrville, Tex.: 7 small moths from Arizona (214619).

Bougere, Miss Lydia, New Orleans, La.: 5 plants from Louisiana (211317).

Bourquin, Fernando, Buenos Aires, Argentina: 5 moths, including 2 types and 3 paratypes (213285).

Bowers, Howard, Grand Junction, Colo.: (Through Dr. Robert Coleman) 22 ferroselites from Virginia No. 3 Mine, Montrose County, Colo. (212891).

Box, Harold E., Port of Spain, Trinidad: 5 moths from Mexico (214935).

Boyle, Dr. W. Wayne, Honolulu, T. H.: 4 beetles, paratypes, (213064). (See also Florida, State Plant Board of).

Brabson, Major Kimberly, San Francisco, Calif.: 4 large game mammals from India (211169).

Bradford, Faith, Chevy Chase, Md.: 3 children's dresses, 19th century (211898); 2 administrator certificates, 1899, bearing 10-cent documentary stamp, series 1898 (212456).

Bradley, Dr. W. H. (See Interior, U. S. Department of the)

**Branca, Michael**, Washington, D. C.: Radio receiver (homemade one-tube set mounted on bread board) (214852).

**Branham, Mrs. Hugh**, Fort Myers Beach, Fla.: Marine mollusk from Queensland, Australia (210946, exchange); 2 marine mollusks from Zanzibar (213318, exchange).

**Brant, Mrs. Irving**, Washington, D. C.: Iron hook from ox-yoke (211597).

**Braun, Prof. E. Lucy**, Cincinnati, Ohio: Fern (212915).

**Bredin, Mr. and Mrs. Bruce**. (See Bredin Fund)

**Bredin Fund, Smithsonian Institution** (Through Mr. and Mrs. Bruce Bredin) 18,611 miscellaneous insects, spiders, 27,600 marine invertebrates, 3,155 phanerogams, 131 grasses, 399 ferns, 362 cryptogams, 1,653 fishes, and 20 bats from the West Indies (208263).

**Breeden, Edward L., J.** (See Dunston, Gatewood W., Estate of)

**Breitung, Dr. August J.**, Pasadena, Calif.: Fern from Canada (211352).

**Brett, Charles J., Jr.** (See Nylander Museum)

**Breuer, Joseph**. (See Game and Fish Commission)

**Briggs, Dr. John C.** (See Florida, University of)

**Brigham Young University**, Provo, Utah: 3 phanerogams from Utah (214466).

**Brimley, J. F.**, Wellington, Ontario, Canada: 4 Canadian scarab beetles (213441).

**British Columbia, University of**, Vancouver: 67 phanerogams, 1 grass, 41 ferns from Canada, various collectors (211146, exchange).

**Britten, H.**, Old Coulsdon, Surrey, England: 218 fruit flies, from Great Britain (213375, exchange).

**Britts, Mrs. L. C.**, Yerington, Nev.: 2 tadpole shrimps and 1 fairy shrimp (211105).

**Brodie, Mrs. Ralph, and Carpenter, Mrs. Clifford P.**, Washington, D. C.: Miscellaneous collection of costume accessories, 1 early police whistle (214396).

**Brodkorb, Prof. Pierce** (See Florida, University of)

**Brookins, Douglas C.**, Healdsburg, Calif.: 4 metastibnites from Geysers, Sonoma County, Calif. (213054, exchange).

**Brooklyn Museum**, Brooklyn, N. Y.: (Through Dr. John D. Cooney) 2 Egyptian bull mummies and 1 rope from Dahshur, Egypt, acquired from Abbott collection of Brooklyn Museum (209589).

**Brooks, Mrs. R. Z.**, Washington, D. C.: 2 handmade handkerchiefs, 19th century (212369).

**Brother Alain** (See Colegio de La Salle)

**Brother Daniel**, Medellin, Colombia: 40 phanerogams, 3 ferns, from Colombia (211143).

**Brother E. Ignatius, F. S. C.**, Beltsville, Md.: Century camera lens board, with Wollensak Planatic lens (212859).

**Brown, Dr. C. J. D.**, Bozeman, Mont.: 4,329 fishes, also reptiles, invertebrates, and insects, from Paraguay, collected by donor (214279).

**Brown, Dr. Clair A.**, Baton Rouge, La.: Fern from Canada (213831).

**Brown, Dr. D. A.**, Dunedin, New Zealand: 2 Triassic and 158 Tertiary brachiopods from New Zealand (209461, exchange).

**Brown, James W.**, Brookeville, Md.: Old threshing, grain cradle, binder's rake, and double-harpoon hay fork and pulley (214890).

**Brown, Jerram L.**, Belmar, N. J.: Cardinal bird (214752).

**Brown, Mrs. John Nicholas**, Providence, R. I.: 12 paintings of military dress by C. Hoffbauer (213271).

**Brown, R. P.** (See Minneapolis-Honeywell Regulator Co.)

**Brown, Dr. W. L.** (See Harvard University)

**Browne, Arthur E.**, Alexandria, Va.: Beaked whale from Kitty Hawk, N. C. (214224).

**Bruns, Franklin R., Jr.**, Washington, D. C.: 474 miscellaneous philatelic specimens (211734, 213083, 213623, 214900); 1,194 Chinese stamps, 285 Ar-

menian stamps, 235 Albanian stamps (213084); 1 Vatican Pius XII lira 1953, 1 mis-struck Jefferson type nickel 1952 (214861).

Bruns, Hattie H., New York, N. Y.: 4 first-day covers, 1 UN embossed envelope (213306, 215065).

Bullard, Richard E. (See Los Angeles, City of)

Bullen, Mrs. Adelaide Kendall, Gainesville, Fla.: Paneling, woodwork, and window sash from Thomas Hancock house, Worcester, Mass., in memory of donor's father, Oliver Sawyer Kendall III (211467).

Bullis, Harvey R., Jr. (See Interior, U. S. Department of the, *Fish and Wildlife Service*)

Bültemann, H. W., Gottingen, West Germany: 8 minerals (214795, exchange).

Buranek, Alfred M., Salt Lake City, Utah: Brilliant-cut stone of sphalerite from Daly Judge Mine, Park City, Utah (212553, exchange).

Burdick, William N., Los Angeles, Calif.: 2 butterfly paratypes (214781).

Burke, John J., Vandergrift, Pa.: Approximately 100 fossil fish of the Upper Devonian, 1 Mississippian psammodont tooth, collected by donor (213535, exchange).

Burrongs, Paul, Concord, N. H.: Triplite from Old Colony mine, Marlow, N. H., leucophosphite from Fletcher mine, North Groton, N. H. (211569); tourmaline in matrix from Mount Mica, Paris, Maine (214000, exchange).

Burton, Dr. Paul R., Coral Gables, Fla.: 1 lot of trematode worms, cotypes (210462).

Bushes, Mrs. Florence E., Newbury, Mass.: Paneling from Richard Dole house (213276).

Butler, Dr. Philip A. (See Interior, U. S. Department of the)

Byars, Mrs. Florence L., New Providence, N. J.; 9,520 ants from United States and Mexico (214624).

Byrd, Prof. Elon E., Athens, Ga.: Helminth holotype from Virginia (213376).

California, State of, *Department of Natural Resources*, Sacramento: 20

grasses from California, collected by L. T. Burcham (211910); 31 grasses from California (213513); *Department of Agriculture*: (Through Mrs. Margaret K. Bellue) fern from Los Angeles County, Calif. (214023).

California, University of, *Berkeley Campus*: 783 phanerogams, 57 grasses, 238 ferns, 5 cryptogams (211323); 293 phanerogams from Korea and Japan, collected by Dr. Reid Moran (213830, gift-exchange); 31 cultivated ferns (214070); (through P. C. Hutchinson) 1 phanerogam (212231); 49 ferns cultivated in Botanical Garden (214808); (through Prof. Paul D. Hurd) 2 termites from Lower California (214361). *Davis Campus*: 54 grasses from California, collected by Beecher Crampton (209320, 213293). *Los Angeles Campus*: 57 plants from California (211930, 213608, exchange); (Through Mrs. Barbara Joe Hoshizaki) 52 cultivated ferns (203777, 212571); (through Dr. Boyd W. Walker and Victor G. Springer) 490 fishes, including holotypes and paratypes (206958, exchange); (through Dr. Boyd W. Walker, N. Mahadeva, and Wayne J. Baldwin) 134 fishes from the eastern Pacific (209845); (through Wayne J. Baldwin) 38 fishes, holotype and paratypes of a new species, from East Pacific (213149); (through Dr. John N. Belkin) 2 nonbiting mosquitoes from California (214844, exchange); 6 mosquitoes from North America (214973); (through Dr. Deane Furman) 3 slides of mites from North America (214972). *Riverside Campus*: (Through Dr. Max Badgley) 82 mealywings from California (214618).

California Academy of Sciences, San Francisco, Calif.: 4 grasses from California collected by John Thomas Howell (198781); (through Dr. Hugh B. Leech) 16 psychids from British Columbia (211545).

Callander, M., Cheshire, England: Bronze medal struck in 1867 commemorating establishment of telegraphic communications between the Old and New World (214867).

**Cameron, Mrs. Stephen F.**, Dundalk, Md.: Double-woven Jacquard coverlet, 1838, and overshot coverlet (212398).

**Campbell, Mrs. Ann S.**, Washington, D. C.: French UNESCO meter marking, Paris 75, Sept. 25, 1956 (212458); piece of wrapper franked with 5 Russian stamps, and Canal Zone airmail envelope (213461).

**Campbell, Dr. Kenneth** (See New England, University of)

**Campbell, Lois J.**, Lexington, Ky.: 200 Mississippian brachiopods from Kentucky (214104, exchange).

**Campbell, R. P.**, Washington, D. C.: 7 British service medals (211558).

**Canada, Government of**, Ottawa, *Department of Agriculture*: 301 phanerogams, 38 grasses, 20 ferns, of Canada, mostly collected in Labrador by J. M. Gillett and W. I. Findlay (211148, exchange); 55 phanerogams, 90 grasses of Alaska and British Columbia (214888, exchange); (through Dr. Eugene G. Monroe) 387 moths from Chile (214479); (through G. E. Shewell) 10 flies from Canada (214484); (through Dr. J. R. Vockeroth) fly paratype from Canada (214485). *National Museum of Canada*: 64 miscellaneous mosses (214246, exchange); 59 Canadian mosses (212695, exchange).

**Canada, Robert**, Washington, D. C.: Ten-peso note issued 1942-5 by Japanese government for the Philippines (214869).

**Canfield Fund, Smithsonian Institution**: Murdochite crystal on quartz crystal from New Mexico (210318); quartz with inclusions, quartz twin in matrix, axinite crystal, loose, from Japan, and cordierite crystal from Histachi Mine, Japan (211326); yellow sapphire crystal and blue sapphire crystal from Moguk, Burma (211574); betafite from Ontario, Canada (211648); 6 specimens of wulfenite from Glove Mine, Amede, Ariz. (212666); pink crystallized hureaulite from Haute Vienne, France (212895); gold nugget from Yukon, Alaska (213288); 2 specimens of enargite from Quiruvilca, Peru (213617); monazite from Colorado

(214219); wulfenite with calcite from Arizona (214457); crystal chrysoberyl from Brazil (214840).

**Cannard, S. G.**, Edgewater, Md.: Fern from Pennsylvania (213547); (Through R. A. Elder, Jr.) piece of bar iron derived from ore mined and smelted in Montour County, Pa. (213627).

**Cape Town, University of**, Rondebosch, South Africa: (Through Prof. J. H. Day) 84 marine mollusks, and 3 brachiopods from South Africa (185-293).

**Carbonell, Dr. Carlos S.** (See Universidad de la Republica).

**Carborundum Co.**, Latrobe, Pa.: 6 ceramic cutting tools and gauges (214267).

**Cárdenas, Dr. Martin**, Cochabamba, Bolivia: Lichen from Bolivia (212821).

**Carias, Cecilia C.**, Washington, D. C.: 30 used Honduras stamps (212654).

**Carmichael, Dr. Leonard**, Washington, D. C.: 31 unused postcards showing buildings of St. Louis (Louisiana Purchase) Exposition, 1904 (212457); Austrian presentation card bearing "5 Reconstruction of Lutheran School" semipostals of 1953, with Technical Museum postmark, Oct. 27, 1956 (212938); part of a wrapper from Philippine Islands franked with 6 different stamps (213462); Inaugural license plate, Eisenhower-Nixon, 1957, showing pictures of President Eisenhower and Vice President Nixon (213708).

**Carmona B., Dr. Carlos** (See Estación Experimental "Tulio Ospina")

**Carnegie Museum**, Pittsburgh, Pa.: (Through Dr. George E. Wallace) 4 spongilla flies from Canada and Pennsylvania (214369); 35 Neuroptera and 7 mantispids from the United States (214486, 214989).

**Carpenter, Mrs. Clifford P.** (See Brodie, Mrs. Ralph)

**Carriker, M. A., Jr.**, Popayan, Colombia: 7 land mollusks from Depto. Cauca, Colombia (212183).

**Cartwright, Oscar L.**, Washington, D. C.: 11,400 miscellaneous insects from Texas, Arizona, and New Mexico (212685).

Casanova, Richard L., Statesville, N. C.: 55 brachiopods of the Pennsylvanian, Permian, and Jurassic from Serbia (212659, exchange); 8 echinoids of the Cretaceous from Texas (214346).

Case, Frederick W., Jr., Saginaw, Mich.: Plant from Michigan (213601).

Case, Nancy F., Swarthmore, Pa.: Approximately 85 miscellaneous marine invertebrates collected near Ras Tanuar, Saudi Arabia on the Persian Gulf (207674).

Caster, Dr. Kenneth E., Cincinnati, Ohio: 500 Permian fossils from Tasmania (214445).

Castle, Edgar, Middletown, Md.: 12½-cent script dated August 2, 1841 (214764).

Catholic University of America, Washington, D. C.: (Through Rev. James A. Magner) the Monsignor John M. Cooper collection of African, American Indian, Oceanic, and Philippine ethnology; also mollusks, and 52 miscellaneous items of military history, crafts, archeology and paleontology (211312); (through Dr. W. Gardner Lynn) 12 skulls and lower jaws of fossil porpoises from Calvert County, Md., collected by A. C. Murray (212661).

Causey, Drs. David and Nelle B., Fayetteville, Ark.: 6 hermit crabs and 99 crabs (210451); 500 marine invertebrates from Vera Cruz and Acapulco, Mexico (212087); copepod from mouth of needlefish at Acapulco, Mexico (213592). (See also Rosso, Sam)

Chace, E. P., San Diego, Calif.: Approximately 42 decapod crustaceans from Sonora, Mexico, collected by donor (211423, 213919).

Chaffee, Dr. Robert G. (See Dartmouth College Museum)

Chamberlain Fund, Frances Lea, Smithsonian Institution: 673 land and fresh-water mollusks from Libya, collected by Dr. Rolf Brandt (209449); cut stone of star beryl from Minas Gerais, Brazil (211572); 34-carat square step-cut red spinel from Moguk, Burma (211573); star spinel from Ceylon (211889); andalusite from Brazil (214016).

Chamberlayne, E. C. (See World Health Organization)

Chamberlin, H. S. (See Post Office Department)

Chamberlin, Dr. R. V. (See Utah, University of)

Chandler, Dr. Leland, Lafayette, Ind.: Fly, type, from North America (214925).

Chapin, Dr. E. A. (See University Museum, Oxford)

Charlton, Prof. O. C. (See Baylor University)

Chase, Joseph Cummings, Milwaukee, Wis.: 5 paintings of American and Korean officers and enlisted men (211728); 6 World War I portraits, and a board containing portraits of 7 members of the Senior Officers Mess (Bitsburg and Coblenz, 1919, Army of Occupation) painted by donor (212053).

Chase, Philip H., Wynnewood, Pa.: 6 Confederate "chemicograph" currency plates (215062).

Cheng, Dr. Thomas C., Charlottesville, Va.: Types of 2 new species of trematodes (211382); holotype and paratype of a new species of trematode, from Virginia (213504).

Chicago, University of, Chicago, Ill.: (Through Frank A. Banks) 4 paratypes of termites from British Guiana and Brazil (214978).

Chicago Natural History Museum, Chicago, Ill.: 15 phanerogams from Hawaii collected by O. Degener and associates (211150, exchange); 2 grasses from Montana (212591); grass from Illinois (212693); (Through Dr. Rupert Wenzel) 49 histerid beetles, including 12 paratypes, 15 batflies, paratypes; 151 batflies representing 17 species, including 4 holotypes, 3 allotypes, 14 paratypes, vial of biting lice from wart hog (185750, gift-exchange); (through Dr. A. L. Rand) 2 birds (211815, exchange).

Chicago Sun-Times Syndicate, Chicago, Ill.: George Lichty "Grin and Bear It" cartoon (214045).

Chromy, Benjamin J., Saratoga, Calif.: 2 X-ray tubes (212899).

Churchill, Mr. and Mrs. John W., Takoma Park, Md.: Lower jaw of fossil from Calvert County, Md. (213443).

Clancey, Don, Kearneysville, W. Va.: 47 Hemiptera and Coleoptera from Belgian Congo, and 5 weevils from Brazil (214937).

Clark, E. O., Baltimore, Md.: Big brown bat from Maryland (211964).

Clark, Gordon, College Park, Md.: Protozoan type slide from Solomons, Md. (212028).

Clark, John W., Brooklyn, N. Y.: First-day cover, "Commodore Barry" issue (212198).

Clarke, Dr. J. F. Gates, Washington, D. C.: 4,801 miscellaneous insects, spiders, and allied animals from Washington, Oregon, Idaho, Montana, Wyoming, Utah, North Dakota, and Minnesota (212689); 50 flies, 36 microlepidoptera, 30 millipedes, 1 spider, and 22 centipedes from Maryland (214769, 214778, 214992).

Clattenburg, Albert E., Jr., Washington, D. C.: 1,262 envelope faces bearing U. S. postal meter markings (213550).

Cloos, Dr. Ernst. (See Johns Hopkins University)

Cloud, Dr. Preston E. (See Interior, U. S. Department of)

Cobey, Mrs. Harriet, Alexandria, Va.: Framed hair wreath (211309).

Codazzi, Dr. Prof. Leopoldo, Reggio Emilia, Italy: 5 Italian birds (200622, exchange).

Coffman, Virgil E., Hope, Ind.: 100 invertebrate fossils of the Silurian, Waldron shale, Hartsville, Ind. (213227).

Cohen, Daniel M. (See Stanford University)

Cohen, Moshe (See Israel, Government of)

Colbert, Mrs. Lewis F., Washington, D. C.: Tailored and decorated buckskin dress of a Nez Perce Indian woman, collected by Gen. George M. Sternberg, about 1877 (211704).

Cole, Dr. A. C., Knoxville, Tenn.: 64 ants, including paratypes and topotypes, from United States (212680, 214374). (See also, Tennessee, University of)

Cole, K. J., Springfield, Va.: Specimen of laumontite with prehnite on calcite from Goose Creek Trap Rock Quarry, Belmont, Va. (213616).

Cole, Dr. W. Storrs, Ithaca, N. Y.: (Through Ruth Todd) 5 Foraminifera, topotypes, from Upper Cretaceous of Cuba (213614, exchange).

Colegio de La Salle, Havana, Cuba: (Through Brother Alain) 7 plants, 23 phanerogams, 1 fern, from Cuba (211147, 212917, exchange).

Colegio San Calixto, La Paz, Bolivia: 2 adult male skulls, without lower jaw, 1 calva from Bolivian Altiplano (213594).

Coleman, Dr. Richard W., San Francisco, Calif.: 51 crustaceans (211364); 90 fresh-water snails, 19 insects, from British Columbia (211424).

Coleman, Dr. Robert. (See Bowers, Howard)

Collart, Dr. A. (See Musée Royal d'Histoire Naturelle).

Collins, Dr. Henry B. (See Jones, Mrs. Edward Darlington)

Collins, Capt. J. A., Washington, D. C.: 3 birds (212651).

Collins, Lee F., Port Carbon, Pa.: 2 signal flags, flown on USS *Mississippi* from 1842 to 1846 (212877).

Colorado, University of, Boulder, Colo.: Holotype of new species of lizard and 1 grass from Colorado (212059, 212243); (through Dr. William A. Weber) 38 lichens from Western United States (212694, exchange); (through Dr. T. Paul Maslin) type and paratype of a new species of hylid frog (214502).

Colorado College, Colorado Springs, Colo.: 5 specimens of 2 new species of plants (211907, exchange).

Commerce, U. S. Department of, Weather Bureau, Washington, D. C.: (Through J. Glenn Dyer) 7 fairy shrimps from Prince Patrick Island, Canada, collected by Wesley R. Morris (211208).

Common, Ian F. B., Canberra City, Australia: 2 moths from Australia (213067).

Condit, John M., Worthington, Ohio: 7 salamanders, 2 frogs, from Ohio, col-

lected by P. E. Pappas and donor (214179).

**Congdon, Mrs. Carol**, Washington, D. C.: Wedding coat and vest worn by Houston F. Walker, Nelson, Pa., 1890, and maroon flannel dress, trimmed with black taffeta, worn by Mrs. Houston F. Walker, Elkland, Pa., ca. 1910 (211346). (See also Walker, Mrs. Louise K.)

**Conkin, James E.**, Cincinnati, Ohio: 26 Mississippian type gastropods and blastoids from Indiana (211338); 10 type specimens of Foraminifera from the Cretaceous of Mexico (211723); 5 fresh-water mussels from Live Oak County, Tex. (213272); 8 thin sections of rock containing 1 holotype and 14 paratypes of Foraminifera from the Cretaceous of Florida, Texas and Mexico (214458).

**Consolidated Edison Company of New York, Inc.**, New York, N. Y.: (Through W. M. Leonard) map of underground mains of Edison Illuminating Company, 1 junction box, 2 3-wire conduits (212336).

**Constantine, Dr. Denny G.** (See Health, Education, and Welfare, Department of)

**Cooke, Dr. C. Wythe.** (See Interior, U. S. Department of the)

**Cooney, Dr. John D.** (See Brooklyn Museum)

**Cooper, Dr. G. Arthur**, Washington, D. C.: 150 Permian fossils from Texas collected by donor (214749); Bronze Medal 1946, Princeton University Bicentennial (214762).

**Cooper, Dr. G. Arthur and Mrs. Josephine W.**, Washington, D. C.: 10,000 invertebrate fossils from Southern Peninsula of Michigan collected by donors (211332).

**Copenhagen, University of**, Copenhagen, Denmark: 250 phanerogams, 10 grasses from Colombia, collected by Dr. Mogens Kjøie (209813); 1,076 phanerogams, 81 grasses, 27 ferns, 146 cryptogams, from Argentina, Greenland, and Europe (211145, exchange); (through Dr. Torben Wolff) 7 specimens of crabs

(200645, exchange); (through Dr. Alfred Rosenkrantz) 26 gastropods from the Danian of Denmark (213121, exchange).

**Cornell University**, Ithaca, N. Y.: (Through Dr. J. G. Franclemont) 4 moths from Honduras (213057); (through Dr. H. E. Moore, Jr.) 11 cultivated phanerogams (213606, exchange); (through Dr. H. E. Evans) 14 centipedes from the United States (214775).

**Corning, Dr. and Mrs. Hobart M.**, Washington, D. C.: Black lace parasol, Victorian era (213620).

**Cott, Dr. H. Edwin** (See Defense, U. S. Department of)

**Cotton, William F.**, Washington, D. C.: Parade snare drum of Sykes Regulars, 2nd Division, 5th Corps, Army of the Potomac, about 1860-1865 (211893).

**Couch, Lt. D. N.** (deceased): Meteorite from Coahuila (Sanchez Estate), Mexico, presented in 1854 (212669).

**County Commissioners of Charles County, La Plata, Md.**: 19th-century ballot box, glass paneled, with wooden case (213451).

**Crabill, Dr. Ralph E., Jr.**, Washington, D. C.: 41 centipedes including types (214779); 6 insects, 9 isopods, 6 millipedes, 16 spiders from Virginia (214970).

**Crane, Mrs. Charles W.**, Summit, N. J.: 2 ferns from Dismal Swamp (211082).

**Crawford, Mrs. Jesse Padon**, Chevy Chase, Md.: Remington-Elliott 4-barrel pistol (212875).

**Crenshaw, Dr. John W., Jr.**, Columbia, Mo.: 52 turtles from southern United States (211498).

**Crown Agents, The**, Washington, D. C.: (Through A. J. E. Davis) 24 stamps of the British Colonies (211743); 4 Fiji postage values, 1 Jamaica postage value (212193); 42 British Empire stamps (213093); 11 stamps of British Colonies (214904).

**Cruikshank, Allan**, New York, N. Y.: (Through Dr. A. Wetmore) Swainson's warbler (214754).



**Crumb, S. E.**, Puyallup, Wash.: 6,546 Lepidoptera larvae from North America (214643).

**Cuba California Oil Co.**, Havana, Cuba: 10 holostean and teleostean fishes from upper Jurassic Jagua shales of Cuba, collected by C. W. Hatton and Juan Gallardo (213665).

**Culbertson, John B.**, Greenville, S. C.: Collection of stone tools, 1 potsherd from South Carolina, 1957 (213691).

**Culver, William B.**, Arlington, Va.: German semiautomatic rifle (213299).

**Cummings, Donald**, Chicago, Ill.: 2 slabs of rock of Devonian age containing 1 trilobite and 5 pelecypods from Seven Stars, Pa. (212168).

**Curran, Dr. C. H.** (See American Museum of Natural History)

**Currie, Dr. Ethel D.**, Glasgow, Scotland: 7 Paleozoic gastropods from Scotland (211878, exchange).

**Curry, Robert A.**, Bethesda, Md.: Man's Czechoslovakian hat, bolero jacket, and shirt (211965).

**Curtis, Karl.** (See de Arrocha, Sr. Don Juan)

**Cushman, Mrs. Helene G.**, McLean, Va.: Scarlet tanager (211962).

**Custis, E. P.**, Washington, D. C.: 12 pieces of miscellaneous radio equipment (213038); Morton-Wimshurst-Holtz influence machine, complete with accessories and other medical material used by Dr. Marvin A. Custis (214851).

**Czechoslovakia, Government of**, Prague: (Through Artia, Ltd.) 60 Czechoslovakian stamps and first-day covers (212240, 214901).

**Dahl, Dr. George**, Sincelejo, Bolivar, Colombia: 190 fresh-water fishes from South America (207515, exchange).

**d'Andretta, Sra. M. V. A.**, São Paulo, Brazil: 10 flies from S. Bernardo, São Paulo (213144, exchange). (See also Departamento de Zoologia)

**Danish Mineralogical Museum**, Copenhagen, Denmark: (Through Dr. E. Nielsen) 32 fossil fishes from the Lower Triassic of Greenland and Madagascar, including casts of Ichthyostegids from Upper Devonian of East Greenland (213610, exchange).

**Darling, Cyrus**, Demorest, Ga.: Phanerogam and 3 ferns from Georgia and South Carolina (214245).

**Darling, Thomas, Jr.**, Washington, D. C.: 15 ferns from Pennsylvania (212-177); fungus (212697); fern from Virginia (212913).

**Dartmouth College Museum**, Hanover, N. H.: (Through Dr. Robert G. Chaffee) 6 ostracoderms from the Paten collection (210820, exchange).

**Davies, Dr. Lewis**, Durham, England: 10 black flies from Europe; including paratypes (215052).

**Davis, A. J. E.** (See Crown Agents, The)

**Davis, Bernard**, Philadelphia, Pa.: Cacheted envelope of the Finland Centenary Stamp Exhibition (211737).

**Davis, Dr. Charles C.** (See Western Reserve University)

**Davis, J. M.**, Silver Spring, Md.: 3,753 spiders, 50 egg sacs (214632).

**Day, Prof. J. H.** (See Cape Town, University of)

**Daybreak Mining Co.**, Opportunity, Wash.: (Through Karl C. Fair) autunite from Daybreak Mine, Spokane, Wash., and thorite from Hall Mountain, Port Hill, Idaho (211714).

**de Arrocha, Sr. Don Juan**, Penonomé, Republic of Panama: (Through Karl Curtis) ceremonial "Diablitos" dance mask and suit of bark cloth, from the Guaymí Indians, Penonomé, Province of Coclé, Republic of Panama (210682).

**de Barrera, Dr. Isabel B.**, Balderas, Mexico: 6 moths, including 2 types and 4 paratypes (213823).

**Debourle, A.**, Pau (Basses-Pyrénées), France: 5 topotypes of a formaminiifer from the Eocene of France (211722).

**Defense, U. S. Department of: Armed Forces Epidemiological Board:** (Through University of Pittsburgh) 656 mammals, 6 reptiles, amphibians, and insects, from Luzon, P. I., collected by Dr. David H. Johnson (213273). *Department of the Army: Arctic Aeromedical Laboratory:* 63 flies from Alaska (214373). *Dugway Proving Ground:* (Through Dr. H. Edwin Cott) 67 bird lice (214621); *Office of the Chief*

of Ordnance: 10 pistols, 1 revolver, 5 submachine guns (213453); 98 specimens of foreign military equipment, including firearms and optical instruments (213624); 1 Thompson submachine gun (213625); 2 submachine guns (213711); Japanese machine gun and Japanese Hotchkiss heavy machine gun (214046); 1 automatic rifle (213712); 230 specimens of ordnance material (214893). *Preventive Medicine and Malaria Control Section*: (Through Capt. Robert M. Altman) 2,067 lice from Panama (214475). *25th Preventive Medicine Survey Detachment* (Through Capt. Gordon Field and C. M. Keenan) 136 mammals from Panama and the Canal Zone (211042). *7451st Preventive Medicine Survey Detachment*: 106 mammals from Panama and the Canal Zone, 1 bird from Panama (213432). *Walter Reed Army Medical Center*: 255 vials of flies, worldwide (214984); (through Dr. Geoffrey Edsall) 168,531 specimens of ectoparasite material (212007); through Major H. C. Barnett) 161 Malayan mosquitoes (214981); (through Douglas Gould) 75 mosquito larvae on slides from Malaya (214986). *Department of the Navy: Hydrographic Office*: 4 models of Navy 2102-D. modification of Rude Star Finder (214422); (through Dr. John Lyman) approximately 12,500 specimens of plankton collected by the SS *Frederick Lykes*, 1956 (210804). *National Naval Medical Center*: (Through W. B. Huli) 285 mosquitoes from Guam and Truk, 217 slides of mosquito larvae from Guam (212678). *Naval Medical Research Units*: 494 miscellaneous insects, 3 leeches, 45 shrimps, 12 hermit crabs, 5 crabs, and reptiles from Cairo, Egypt (207003); (through Dr. Harry Hoogstraal): tick from Egypt, holotype (214767); (through Dr. Conrad E. Yunker) 15 hermit crabs from East Africa collected by Dr. Yunker (212089); *Naval Observatory*: Astronomical transit, Repsold, ca. 1850 (211299); *Office of Naval Research*: 3 mammals, fishes, mollusks, 11 birds, and marine inverte-

brates collected in Antarctic by "Operation Deep-freeze I" in 1955 and 1956 (205726); electric time indicator (212902); (through University of Kansas) type specimen of an Alaskan lemming (210565); (through Comdr. Trenton K. Ruebush) 10 mollusks from Fort Amador, Canal Zone (211063); (through Dr. G. Dallas Hanna) 42 land and fresh-water mollusks from Alaska (211483); *U. S. Naval Medical School*: (Through Dr. Robert E. Kuntz) 63 slides and 17 vials of Mallophaga, 2 slides and 2 vials of Anoplura from Egypt (212013); 12 land snails from Port Lyautey, Morocco (212286); 73 branchiopods, 143 ostracods, from Egypt (213996).

de Fontaine, W. H. (See Yachting)

De Forest, Edgar A. (deceased): Gyroscope (211363, deposit).

Degener, Dr. Otto, Waialua, Oahu, T. H.: 49 phanerogams, 2 grasses, 1 cryptogam from Hawaii (213755).

de Jesus, Dr. P. I., Manila, P. I.: 4 Philippine medals and decorations (213621); 3 small-change bills issued by Central Bank of the Philippines (214863).

de Klasz, Dr. Ivan, Port-Gentil (Gabon), French Equatorial Africa: Approximately 200 Foraminifera from the Cretaceous of Gabon (211720).

Dekle, G. W. (See Florida, State Plant Board of)

de la Torre, Dr. Salvador, Santiago de Cuba, Cuba: 363 land and fresh-water mollusks, including 3 paratypes, from Cuba (212015). (See also Morrison, Dr. J. P. E.)

Delta State Teachers College, Cleveland, Miss.: 5 grasses from Mississippi (211097).

Demaree, Dr. Delzie, Chinle, Ariz.: 22 grasses, 4 ferns, from New Mexico and Arizona (209750, 214030).

de Mesa, Pedro, Quezon City, P. I.: 538 marine, land, and freshwater mollusks from Philippines and Japan (212342).

de Oliveira, Dr. Paulo Erichsen, Rio de Janeiro, Brazil: 2 rare marine mollusks from Brazil (212187, exchange).

**Departamento de Zoologia, São Paulo, Brazil:** (Through Sra. M. V. A. d'Andretta) 12 flies from Brazil (211638, exchange).

**De Pauw University, Greencastle, Ind.:** 2 plants (212371); (through Prof. Winona H. Welch) 21 bryophytes (215-061, exchange).

**Deputy, Annie Elizabeth** (deceased): (Through Miss Florence Deputy) fire fan, 19th century (211599).

**Deputy, Florence** (See Deputy, Annie Elizabeth)

**De Santis, Dr. L., La Plata, Argentina:** 125 specimens of parasitic Hymenoptera including cotype and paratypes (214969).

**de Steiguer, Mrs. Louis, Washington, D. C.:** Aeolian piano-organ made by Timothy Gilbert & Co. about 1865 (212-305).

**de Silva, Don.** (See Miami, University of)

**Devan, Mrs. Samuel Arthur, Washington, D. C., and Richards, Elizabeth E., Germantown, Pa.:** Victorian slumber throw, 1888 (211904).

**deWitt, Mr. and Mrs. W., Erie, Pa.:** 9 marine mollusks (204043).

**Diakonoff, Dr. A.** (See Rijksmuseum van Natuurlijke Histoire)

**Díaz Ungria, Dr. Carlos.** (See Sociedad de Ciencias Naturales La Salle)

**Dickie, Mrs. Eva M., Washington, D. C.:** 2 picture albums of world cruise on Empress of Australia (214265).

**DiConsiglio, Miss Tosca, Long Island, N. Y.:** Leaflet, urging people to buy bonds, dropped from a Caproni bombing airplane (211560).

**DiMaglio, Joseph, Washington, D. C.:** Bronze pestle found on Island of Ischia, Italy (215078).

**Dimitrieff, Capt. Nikolai, New York, N. Y.:** Map of Europe and Near East on which donor traced major troop movements of World War II (214390).

**Dingwell, Paul D., Longmeadow, Mass.:** (Through Mrs. William H. Wheeler, Jr.) various uniform items worn by donor while serving as lieutenant in U. S. Navy, 1930 (214261).

**Dix, George P., Jr., Baltimore, Md.:** 12 uraninites and associated minerals from various mines in Utah, Colorado, and Arizona (213055).

**Doan, Dr. David B., San Francisco, Calif.:** 14 reptiles and amphibians, 5 leeches, mollusks, and insects, from Miyako and Kurema Islands, Ryukyu Islands (212572).

**Dobrotworsky, N. V., Carlton, Melbourne, Australia:** 20 mosquitoes from Australia (211540). (See also Melbourne, The University of)

**Dole, Dr. Hollis M., Portland, Oreg.:** Type specimen of unusually large Eocene gastropod from western Oregon (210435).

**Dominican Republic:** (Through Agencia Filatelica Dominicana) 18 Dominican Republic first-day covers and stamps (214907).

**Doncaster, J. P.** (See Great Britain, Government of)

**Donor unknown:** Small square trunk manufactured by John Cattnach Trunk Manufacturers, New York City, and a trunk made by J. Dean, Detroit, bearing inked date and name "Rev. Avza Brown, 1824," packed with textiles and quilts. (214849); Mexican 10-peso piece (214864).

**Donovan, J. W., West Palm Beach, Fla.:** 2 starfishes, dredged off Palm Beach, Fla. (212755).

**Doosing, Tillie, Shawsville, Va.:** 1 man's collar, ca. 1840 (214856)

**Douglas, Justice William O., Washington, D. C.:** 203 phanerogams, 6 grasses, 1 fern, from Iran (213098).

**Dow, Mrs. Laura H., and Dow, Mary, Washington, D. C.:** Royal Crown Derby cup, saucer, and tea plate, in memory of Mary Ann Gwynn Davidson, mother of Mrs. Dow (211601).

**Dow, Mary** (See Dow, Mrs. Laura H.)

**Downey, Maureen, Beaufort, N. C.:** 6 sea urchins collected from Bogue Bank, N. C. (201828).

**Drake, Dr. Carl J., Washington, D. C.:** Glass slipper, glass wine goblet (214-230); 16 true bugs from South America (214622); 1 pair spectacles and case

(214743). (See also Gibson, Dr. William W.)

**Drake, Robert J.**, El Cajon, Calif.: 55 land and fresh-water mollusks from Baja California, Mexico (205148).

**Dreisbach, R. R.**, Midland, Mich.: (Through Prof. H. J. Reinhard) 5 specimens of flies from Mexico (215048).

**Drummond, Dr. William C.**, Los Angeles, Calif.: Cultivated plant from California (211315).

**Duke University**, Durham, N. C.: (Through Prof. I. E. Gray) 166 dragon flies (213066).

**Dumville, Mrs. B. B.**, Arlington, Va.: Dresses, suits, and miscellaneous costume items of late 19th and early 20th centuries (212884).

**Dunkle, Dr. David H.**, and **Applegate, Shelton, P.**, Washington, D. C.: 63 fossil fish of the Upper Triassic, from Virginia, collected by donors, 1957 (214-018).

**Dunston, Gatewood W.**, Estate of, Norfolk, Va.: (Through Edward L. Breeden, Jr., Executor) collection of early motion picture machines, projectors, and miscellaneous items (212314, bequest).

**Dyer, J. Glenn.** (See Commerce, U. S. Department of)

**Eads, Dr. Richard B.**, Austin, Tex.: 1 scorpion, 1 spider, from Texas (212675). (See also Texas, State of)

**Eady, R. D.** (See Great Britain, Government of)

**Eardeley, James W.**, 1/Sgt., USA (Ret), Washington, D. C.: 2 Soldiers' Home service buttons (215017).

**Ebling, Mr. & Mrs. J. Orville**, Lima, Ohio: Irish castle spinning wheel (212397).

**Eckhart, Emma E.**, Arlington, Va.: (Through Darcy George) set of dressmaker's brass tools for patterns (214759).

**Edison Industries**, Thomas A., Voice-writer Div., Washington, D. C.: Phonograph record that preserves thought and feeling of historic personages (215002).

**Edmondson, Dr. C. H.** (See Bishop Museum, Bernice P.)

**Edsall, Dr. Geoffrey.** (See Defense, U. S. Department of)

**Edwards, Dr. S. W.**, San Marcos, Tex.: 9 type specimens of North American Trichoptera (211933).

**Ehlers, Dr. G. M.**, Ann Arbor, Mich.: 5 plaster casts of brachiopods from New York, replicas of specimens illustrated by the Frenchman, Castelnau, one of the early explorers in the U. S. (201576).

**Ehrmann, Martin L.**, Los Angeles, Calif.: Tourmaline crystal from Antandrokombay, Madagascar (211076, exchange); yellow diamond from Africa, yellow sapphire from Burma (212829, exchange); cut stone of beryl from Brazil (214516, exchange).

**Eiselt, Dr. J.** (See Naturhistorisches Museum)

**Eisenhower, President Dwight D.**, Washington, D. C.: Ibis statuette, wood and bronze, from necropolis at Tuna-el-Gebel (ancient Hermopolis Magna) Upper Egypt (299497); uniform, General of the Army, World War II (213556).

**Elder, R. A., Jr.** (See Cannard, S. George)

**Elias, Dr. M. K.**, Lincoln, Nebr.: 3 large brachiopods (211331).

**Emerson, Lt. Col. K. C.**, Fort Leavenworth, Kans.: 174 lice from Texas, Germany, Angola, Africa, and Asia (214360); 21 ticks from United States (214372); 107 lice from North America (214478); 103 specimens of bird lice Mallophaga including types, from North America, Himalaya and Thailand (215046).

**Enders, Dr. Robert K.**, Swarthmore, Pa.: 1 bird, 1 frog, 428 mammals from Alaska, Colorado, Massachusetts, Panama, Saudi Arabia, and Wyoming (212860); 147 mammals and 1 salamander from Panama (214338).

**Endo, Dr. Riuji.** (See Saitama University)

**Engelhardt, Prof. Dr. W. V.**, Hanover, Germany: 2 specimens of heidornite from Hanover (214349).

**Englehart, Ross Lee**, Brentwood, Md.: Sphalerite on prehnite from Ar-

lington Quarry, Goose Creek, Va. (211567).

Englewood Stamp Club, Englewood, N. J. (Through David B. Popkin) cacheted envelope for 25th anniversary of opening of George Washington Bridge (213089).

Escuela Agrícola Panamericana, Tegucigalpa, Honduras: (Through Dr. Louis O. Williams) 196 type specimens of phanerogams (213099).

Esso Standard Oil Co., New York, N. Y.: (Through Robert H. Scholl) pirogue (212442).

Estação Agronômica Nacional, Sacavém, Portugal: 164 phanerogams, 30 grasses, 6 ferns, from Portugal (211588, exchange).

Estación Experimental Agrícola de La Molina, *Departamento de Entomología*, Lima, Peru: (Through Dr. J. E. Simon) 81 moth larvae (213283).

Estación Experimental Agronómica, Santiago de las Vegas, Cuba: (Through Dr. Julian Acuña) 98 phanerogams, 6 grasses, 43 ferns from Cuba (212181, 212914, gift-exchange).

Estación Experimental "Tulio Ospina," Medellín, Colombia: (Through Dr. Carlos Carmona B.) 30 land mollusks from Colombia (209666).

Evans, Dr. and Mrs. Clifford, Washington, D. C.: 251 insects from South America, collected by the donors (215098).

Evans, Dr. H. E. (See Cornell University)

Everhart Museum, Scranton, Pa.: (Through Dr. R. L. Shalkop) 2 spur-winged plovers (212265, exchange).

Evitt, Dr. William R., Tulsa, Okla.: 95 silicified trilobites, Ordovician, Lincolnshire limestone, Strasburg, Va. (212885).

Faber and Faber, Owego, N. Y.: Pair high-topped black satin bathing shoes, ca. 1910 (212880).

Fabian, Dominick, Portland, Oreg.: 3 UN first-day covers (213305, 214902).

Fair, Karl C. (See Daybreak Mining Co.)

Farfante, Dr. Isabel P., Washington, D. C.: 2 marine mollusks from Cuba (212653).

Farries, Belmont, Annandale, Va.: First-day cover, 3-cent children's stamp (213455).

Farin, S. E., Springfield, Ill.: 5 pseudomorphs, limonite after some unknown mineral from Sparta, Monroe County, Wis. (211327).

Farragut, David G., Falls Church, Va.: Man's wool suit, worn by Ephraim Ward, Crockett, Va., ca. 1860 (212881).

Father Hubert, La Trappe, Quebec: 200 porcupine lice, 300 cattle lice (213060); 16 lice from North America (214921).

Faure, Dr. J. C., Pretoria, Union of South Africa: 9 thrips from South Africa (214623, exchange).

Ferdinand, J. V. (See Pennsylvania Power and Light Co.)

Ferriere, Dr. Charles, Geneva, Switzerland: 7 ants, cotypes (213139). (See also Museum d' Histoire Naturelle)

Fessenden, Dr. G. R., Baltimore, Md.: 21 phanerogams from Maryland collected by Dr. Fessenden (213761).

Field, Capt. Gordon (See Defense, Department of, *Department of the Army*)

Figueira, Armado J. G., Madeira: 2 shrimps (214183).

Filardo, Silvio, Washington, D. C.: Densmore typewriter (214853).

Filer, Russ, Redlands, Calif.: Chrome diopside from Outokumpu, Finland (214796, exchange).

Finlay, John, Varadero, Cuba: (Through Dr. Waldo L. Schmitt) 23 marine mollusks, including 2 paratypes and 2 topotypes, from Cuba (213839, exchange).

Fischer, Dr. Max. (See Naturhistorisches Museum)

Fisher, Dr. Walter K. (deceased): 24 echinoderms, including types, paratypes, and topotypes of 8 species (110560).

FitzGerald, Warren, Silver Spring, Md.: 16 spiders from Silver Spring (211707).

**Flath, Edward J.**, Waukegan, Ill.: Cacheted envelope, Lake County Philatelic Society (214579).

**Fletcher, D. S.** (See Great Britain, Government of)

**Florida, State Plant Board of**, Gainesville, Fla.: (Through G. W. Dekle) 4 land mollusks from Miami (212533); (through Dr. W. Wayne Boyle) 3 beetles, 1 holotype and 2 paratypes (213063); (through Howard V. Weems, Jr.) 8 insects (213352, exchange).

**Florida, University of**, Gainesville, Fla.: (Through Dr. E. Ruffin Jones) 2 slides of worms (211045); (through Prof. Pierce Brodtkorb) 2 green-winged birds (214546, exchange); through Dr. John C. Briggs) 1 fish, paratype, from Florida (213598).

**Florida Game and Fresh Water Fish Commission**, Tallahassee, Fla.: (Through Dr. William M. McLane) 300 ostracods and 340 polychaetes, mollusks and fossil vertebrates collected in Salt Lake, St. Johns River drainage (211051).

**Florida State Board of Health**, Vero Beach, Fla.: (Through Dr. Robert W. Harrington, Jr.) 2 fishes (214993).

**Florida State University**, Tallahassee, Fla.: Fern from Florida (213548).

**Flounders, B.**, Whyalla, South Australia: 93 specimens of *Archaeocyathinae* of the Lower Cambrian from Beltana, Australia (213889).

**Flower, Dr. Rousseau H.**, Socorro, N. Mex.: 50 brachiopods of the Devonian Manitoban limestone from Manitoba, Canada (213896).

**Folk, Dr. G. Edgar, Jr.**, Iowa City, Iowa: 25 little brown bats from Iowa (212227).

**Ford, Clayton**, Lockport, N. H.: 3 dickinsonites from Nancey No. 1 mine, North Groton, N. H. (213986, exchange).

**Forest Research Institute**, Kepong, Selangor, Malaya: 66 phanerogams from Malaya (211994, exchange).

**Fort Hays Kansas State College**, Hays, Kansas: 2 meteorites (214793, exchange).

**Fosberg, Dr. F. R.**, Falls Church, Va.: 71 phanerogams, 10 grasses, 8 ferns from the Marshall Islands (214028).

**Foss, Ervina Elizabeth**, Springfield, Mass.: (Through Lucile Grebenc) White organdy wedding dress, kid slippers, and embroidered cotton stockings, worn by donor's mother, 1897 (213559).

**Foster, Dr. M. T.**, Fayetteville, N. C.: Scarlet snake from North Carolina (211104).

**Fouts, Robert M.**, Laredo, Tex.: 2 wasps, holotype and allotype (214630).

**Fox, Dr. Irving**, San Juan, P. R.: Japygid (211934).

**Frailley, Mrs. William A.**, Emmitsburg, Md.: Auto top surrey, 1900-10, horse-drawn trap, 1870-90, basket phaeton with parasol (212050).

**Franclemont, Dr. John G.**, Ithaca, N. Y.: Moth (211877). (See also Cornell University)

**Franco, Dr. Asela B.**, Cebu City, Cebu, P. I.: 53 marine mollusks from the Philippines and Colombia (205579, exchange).

**Frank, Mr. Glynn H.**, Hyattsville, Md.: Rare scarlet snake from Scientists Cliffs, Chesapeake Beach, Md., collected by the donor in July 1956 (214500).

**Fraser, Dr. Francis C.**, London, England: Coin balance for sovereign and half-sovereign coins, ca. 1830 (211895).

**Freeman, Paul** (See Great Britain, Government of)

**Frieders, Father Fabian**, Saint Meinrad, Ind.: Salamander from Indiana (213247).

**Frimerkjasalem** (See Iceland, Government of)

**Fritz, Kemp**, Washington, D. C.: German steelyard, ca. 1750 (211304).

**Fronde!, Prof. Clifford**. (See Harvard University)

**Frye, Dr. T. C.** (See Washington, University of)

**Fukui University**, Fukui, Japan: (Through Dr. T. Tsuneki) 58 wasps, including 27 paratypes, from Japan (214879, exchange).

**Fulton, Dr. B. B.**, Raleigh, N. C.: 8 crickets including types from North America (214922).

**Furman, Dr. Deane** (See California, University of)

**Galindo, Dr. Pedro** (See Gorgas Memorial Laboratory)

**Game and Fish Commission**, Corpus Christi, Tex.: (Through Ernest G. Simmons) 51 amphipods, 31 parasitic copepods, 81 shrimps (210256).

**Game and Fish Commission**, Harlingen, Tex.: (Through Joseph P. Breuer) approximately 138 miscellaneous marine invertebrates (208823); 6 polychaetes, 4 sipunculids, 2 lots hydroids, 7 barnacles, 3 bryozoans (210973).

**Gamerding, Henry**. (See Monaco, Principality of)

**Garber, Paul E.**, Washington, D. C.: Victor Victrola, Granada X, phonograph (212335).

**Garfield, Abram**, Cleveland, Ohio: White French porcelain plate with apricot band trimmed with gold, having initial "G" in gold and red, part of family china owned and used by President and Mrs. Garfield (211565).

**Gates, G. E.** (See Agriculture, U. S. Department of)

**Gates, Lloyd S.** (See Wilder, R. S., Co.)

**Gazin, Dr. C. L.** (See Arellano, Dr. Alberto R. V.)

**Geary, E. G.**, San Francisco, Calif.: (Through Lt. Col. E. M. Geary) Confederate flag (214389).

**Geary, Lt. Col. E. M.** (See Geary, E. G.)

**Geduly, Eva**, Cincinnati, Ohio: 8 snake skulls from the collection of donor's father, Professor Oliver Geduly (211495).

**Gee, James Walter**, Washington, D. C.: Fish from Maryland collected by donor (214552).

**General Electric Co.**, Milwaukee, Wis.: Wilhelm Konrad Roentgen's third X-ray tube, with mahogany case (204068).

**General Electric Research Laboratory**, Schenectady, N. Y.: 2 World War I audio amplifiers (214291).

**General Services Administration**, Washington, D. C.: Galesi automatic pistol Model 9, red leather open holster (211561); 18 pieces of jewelry set with diamonds, rubies, sapphires, and jade (212225); 27 jade cabochons and 46 jade fancy cuts (Burma jadeite) (213053); 35 lots of cut diamonds (214236); 4 packets of loose cut diamonds (214602).

**Geološko-paleontološki inštitut**, Univerza, Ljubljana, Yugoslavia: (Through Dr. Anton Ramovš) 23 early Permian fossils from Yugoslavia (211335, exchange).

**George, Darcy**. (See Eckhart, Emma E.)

**Georgia, University of**, Athens, Ga.: 4 grasses from Georgia (211096).

**Gerhard, John I.**, Philadelphia, Pa.: Cut-glass cologne bottle, perfume bottle (214895).

**Germany, Republic of**, Der Bundesminister für das Post und Fernmeldewesen, Bonn: 20 German stamps (212238, 215069).

**Gettens, R. J.** (See Smithsonian Institution)

**Giard, Louis O.**, Chicopee Falls, Mass.: Bronze medal struck 1876 commemorating 100th anniversary of American Independence (214763).

**Gibbons, Mrs. Minnie, McLean**, Va.: Kentucky warbler skeleton (214964).

**Gibbs, R. T.** (See Harvard University)

**Gibson, Dr. Colvin L.**, Memphis, Tenn.: 4,327 butterflies, moths, and insects from United States, Mexico, the British Solomon Islands, and the tropics (215055).

**Gibson, Dr. William W.**, Mexico City, Mexico: (Through Dr. Carl J. Drake) 10 insects from United States and Mexico (214021).

**Gideon, Mrs. Gail**, Seattle, Wash.: 4 items of Naval uniform, World War II, worn by donor's son, 1943-46 (214260).

**Gill, Clyde** (See Peerless Handcuff Co.)

**Gill, Dr. Edmund D.** (See National Museum of Victoria)

**Gillis, Cora E.** (See Grand Army of the Republic; Parks, Mrs. Claudine; Sharp, Frances, and Wilson, Eunice C.)

**Gillis, Lt. J. M.** (deceased): meteorite from Imilac, Atacama, Chile, presented in 1853 (212668).

**Gillis, Paul O.**, Yuba City, Calif.: 20 stereoscopic views of Washington, D. C. (212596).

**Ginsburg, Isaac** (See Gunter, Gordon)

**Gisholt Machine Co.**, Madison, Wis.: Gisholt turret lathe, ca. 1890 (214381).

**Glass, Sol**, Baltimore, Md.: 53 deluxe stamp proofs, 75 artist's autographed stamp proofs of France and colonies (213088).

**Glenn, Murray O.**, Henry, Ill.: 29 moths from Illinois (210955).

**Glenny, Dr. Fred H.**, Youngstown, Ohio: Parts of a Kiwi in alcohol (214962).

**Gless, Karl D.**, Gamboa, Canal Zone: Panama Railroad rail section (211901).

**Goddard, Eunice R.**, New Salem, Mass.: Remnants of materials sent from New York to Mary Todd Lincoln when Abraham Lincoln was elected President (214855).

**Goin, Dr. Coleman J.**, Gainesville, Fla.: Frog, paratype of new species, from Leticia, Colombia, collected by E. Ross Allen (213187).

**Gordon, Dr. Isabella** (See Tattersall, Dr. Olive S.)

**Gorgas Memorial Laboratory**, Panama, Republic of Panama: (Through Dr. Pedro Galindo) 10 mosquitoes from Panama (214929).

**Goudey, Hatfield** (See Parnau, John L.)

**Gould, Douglas** (See Defense, U. S. Department of, Department of the Army)

**Goyne, R. R.** (See Miners Foundry and Manufacturing Co.)

**Graf, A. B.**, Rutherford, N. J.: 2 cultivated ferns (212066). (See also Roehrs Co., Julius)

**Graf, John E.** (See Tibado, Clarence J.)

**Grand Army of the Republic**, Lake-wood, N. Y.: (Through Cora E. Gillis)

collection of miscellaneous military items associated with the G. A. R., including badges, medals, flags, gavel, and hats (182102).

**Grant, Maj. Chapman**, Escondido, Calif.: 4 lizards from Cuba collected by donor (211509); (through Dr. W. Gardner Lynn) collection of Cuban amphibians (213859).

**Gray, Prof. I. E.** (See Duke University)

**Great Britain, Government of: British Museum** (*Natural History*) London, England: 141 phanerogams from Venezuela, 8 phanerogams, 12 grasses from Antarctic Islands (211869, exchange); 77 phanerogams, 24 grasses, 1 fern (214578, exchange); (through Mr. G. J. Kerrich) 6 flies (paratypes) and 2 parasitic flies from Europe and South Africa (212481); (through R. D. Eady) 4 flies, paratypes, from Fiji (212673); (through F. G. A. M. Smit) 16 fleas from Africa, Kerguelen Island, and North America (213061); 4 rare fleas from Africa (213284); (through Dr. John Edwards Hill) 15 bats and rodents from Africa and South America (213412, exchange); (through Robert B. Benson) 150 sawflies, including paratypes of 25 species (212141); 149 Palearctic sawflies representing 92 species, including 25 paratypes (212862); (through D. S. Fletcher) 14 moths from South America (214496, exchange); (through Paul Freeman) 23 flies from England (214777, exchange); 34 flies and midges, including paratypes (214974, exchange); 74 crane flies from United Kingdom (214979); (through J. P. Doncaster) 148 slides of aphids from Europe and Africa (214843); (through P. F. Mattingly) 8 mosquitoes from India (214927); 15 mosquitoes from Ethiopia, Palearctic and Orient including paratypes and larva (214980, exchange). *Commonwealth Institute of Biological Control, Trinidad, B. W. I.*: (Through Fred D. Bennett) 2 parasitic wasps from Trinidad (214846).

**Grebenc, Lucile**, Springfield, Mass. (See Foss, Ervina Elizabeth)



**Green, Dorr D.** (See Interior, U. S. Department of the)

**Greenhall, Alice**, Port of Spain, Trinidad: 3 crabs (211669).

**Greer, R. G.** (See International Harvester Co.)

**Gressitt, Dr. J. Linsley** (See Bernice P. Bishop Museum)

**Grice, George D., Jr.**, Gainesville, Fla.: Gorgonian from Alligator Harbor, Fla. (211107).

**Griffin, Arthur M.**, New York, N. Y.: Cacheted envelope marking first Manhattan flight from West 30th Street heliport of Port of New York Authority (213622).

**Griffith, Melvin E.** (See International Cooperation Administration)

**Griffiths, Lt. Col. R. J.**, Ware, Herts, England: 13 marine mollusks from Indian Ocean (210947, exchange).

**Grimes, Virginia Lee**, Washington, D. C.: Hungarian candlestick of turned wood, figurine pincushion from czarist Russia (214231).

**Grobman, Dr. Arnold B.**, Gainesville, Fla., and **Highton, Dr. Richard**, College Park, Md.: 2 salamanders, paratypes of a new subspecies, from Virginia (212244).

**Guayaquil, University of** (Through Prof. Fco. Huerta-Montalvo) 10 beetles from Ecuador (214418).

**Gudmundsson, Dr. Finnur.** (See Náttúrugripasafnid)

**Guillemín, Dr. Claude.** (See Paris, University of)

**Gunter, Dr. Gordon**, Ocean Springs, Miss.: Crab from Dog Keys Pass, Miss. (213948) (through Isaac Ginsburg) 6 fishes from Mississippi (214345).

**Gurney, Dr. Ashley B.**, Washington, D. C.: 25 miscellaneous insects from Arlington, Va., Cummington, Mass., and Fort Knox, Ky. (213279).

**Haaf, Dr. E.** (See Museum G. Frey)

**Haag, Albert P.**, Tucson, Ariz.: Descloizite on wulfenite, wulfenite, from Glove mine, Amade, Ariz. (212205, exchange).

**Habu, Dr. A.** (See National Institute of Agricultural Sciences)

**Hall, Jack**, Riverside, Calif.: 4 bee flies (214616).

**Hall, Thomas R.**, and **Trimble, Barney F.**, Silver Spring, Md., **Stallion, Coy.**, and **Trimble, Randolph**, Golconda, Ill.: (Through Dr. Leonard P. Schultz) 25 Mississippian Chester invertebrate fossils, including 2 exceptionally large blastoids from Illinois (213048).

**Hamelly, Henry**, Grove City, Pa.: 33 first-day covers, cacheted envelopes and cards (211736, 212202, 213456, 214906).

**Hamilton, Col. Charles S.** (See Taylor, John M.)

**Hamilton, Edward P.**, Milton, Mass.: Watchmaker's lathe (213295).

**Hamlet, John**, Cambridge, Mass.: 3 shrimps (210575).

**Hammer, Dr. Armand.** (See Imperial Jade, Ltd.)

**Hammond, Mrs. Margaret Edwards**, Charleston, S. C.: 30 items of Korean costume (215040).

**Hanahan, Jack**, Belmont, N. C.: 4 specimens of "thomasite" from California (214915, exchange). (See also Belmont Abbey College)

**Handley, C. O., Sr.**, Charleston, W. Va.: 3 fox squirrels (215044).

**Hanna, Dr. G. Dallas.** (See Defense, U. S. Department of, *Office of Naval Research*)

**Hanson, Wilford J.**, Lawrence, Kans.: 6 soldier flies, paratypes (214614).

**Hardy, D. Elmo**, Honolulu, T. H.: 27 flies, paratypes, from Hawaii (212686).

**Hardy, Jerry David**, Catonsville, Md.: 702 reptiles and amphibians from Cuba, collected by donor (212474).

**Hare, Col. and Mrs. Robert P.**, Washington, D. C.: Set of 6 Sheraton fancy chairs and 2 English back stools, 17th century (211891, 213033).

**Hargett, Mrs. W. V.**, University Park, Md.: U. S. Army officer's undress coat, helmets, uniform accessories, and photographs, 19th century, owned by the late Capt. Charles Garnett Gordon (213974).

**Harlow, Francis H.**, Los Alamos, N. Mex.: 5 crinoids and 20 brachiopods of the Pennsylvanian, 4 brachiopods of the Recent (212446, exchange).

Harman, Wilbur L., Washington, D. C.: 2 blue jays (214603).

Harper, Dr. Francis, Mount Holly, N. J.: 3 toads from Labrador and Quebec (214717).

Harriman, Mrs. Betty H., Fort Monroe, Va.: Study sample of copperplate print, 1761 (214263).

Harrington & Richardson, Inc., Worcester, Mass.: 2 Reising submachine guns (214102).

Harrington, Dr. Robert W., Jr. (See Florida State Board of Health).

Harrington, Russell C. (See Treasury, U. S. Department of the)

Harry, Dr. Robert R. (See Stanford University)

Harvard University, Cambridge, Mass.: (Through Prof. Clifford Frondel) Boltwoodite from Pick's Delta mine, San Rafael Swell, Utah (213050, exchange). *Arnold Arboretum*: 128 grasses from New Guinea (214031); 281 phanerogams, 3 grasses, 95 ferns, from Jamaica, B. W. I. (214242, exchange). *Biological Laboratories*: (Through Dr. E. O. Wilson) 5 ants from New Guinea (212681). *Department of Electrical Engineering*: (Through R. T. Gibbs) 2 generators, induction motor, power line transformer, watt meter (214610). *Gray Herbarium*: 1,371 phanerogams, 19 grasses, 74 ferns, from North and South America, various collectors (211149, exchange). *Museum of Comparative Zoology*: (Through Dr. W. L. Brown) 3 ants, including 1 paratype, 1 cotype (213071); 10 ants including a paratype from New Guinea and Ceylon (214919); 7 paratypes of ants from Papua and New Guinea (214923); 14 North American ants (214939); wasp from Connecticut (214975); (through William C. Schroeder) fish, holotype, from Florida (213825, deposit).

Hasse, William, Jr., East Haven, Conn.: 5 early New Haven, Conn., bank checks and capital stock shares (214760).

Hatschbach, Dr. Gert, Curitiba, Parana, Brazil: 32 phanerogams, 10 grasses from Brazil (213602)

Hattori, Dr. S. (see Hattori Botanical Laboratory)

Hattori Botanical Laboratory, Nichinan, Miyazaki Prefecture, Japan: 100 hepatics and mosses from Japan (214470, exchange); (through Dr. S. Hattori) 100 Japanese bryophytes (212228, exchange).

Haupt, Frederic W. (See Stromberg-Carlson Company)

Hawaii, University of, Honolulu, T. H.: (Through Edward Parsons Ryan) 14 crabs from Nicaragua (211643).

Hays, Dr. Kirby L., Auburn, Ala.: Horsefly from United States (214463).

Hazard, Louisa B., Washington, D. C.: Tin egg-coddler, 2 sets of jackstraws (214463).

Health, Education, and Welfare, U. S. Department of, Washington, D. C. *Arctic Health Research Center*: (Through Dr. Kathryn M. Sommerman) 31 black flies (213070); 6 booklice from North America (214483). *National Institutes of Health*: (Through Dr. W. H. Wright) collection of 913 fleas (214229). *National Microbiological Institute*: (Through Dr. C. B. Philip) 5 horseflies from North Asia (213533, exchange). *Public Health Service*: (Through Dr. S. W. Simmons) 59 fresh-water mollusks from Puerto Rico (210371); (through Dr. W. L. Jellison) 25 fresh-water mollusks from Washington (212078); 3 bats from swallow nests, Spokane, Wash. (212288); (through Dr. Denny G. Constantine) 2 bats from San Luis Potosí, Mexico (214223); (through Charles S. Richards) 355 mosquitoes from the United States (214918).

Hebbard, Dr. George M. (See Hebbard, Mrs. O. C.)

Hebbard, Mrs. O. C. (deceased): (Through Dr. George M. Hebbard) sofa and bronze figurine lamp base from the U. S. Capitol building (211731).

Heberling, Ralph B., Gainesville, Ga.: Japanese sword (Samurai), handle covered with ray skin and laced with leather, bamboo scabbard (210555).

**Hebner, Maurice J.** (See Maas, Alberto E.)

**Hecht, Robert E., Jr.**, Rome, Italy: 77 coins (215015).

**Hefner, Prof. R. A.**, Oxford, Ohio: 10 specimens of diplopods, types (212867).

**Heinmuller, John P. V.**, New York, N. Y.: 7,871 foreign stamps, including Austria, Prussia and Switzerland (211733, 213091).

**Helenore, J. C.**, New York, N. Y.: Bottle of "Hercules Hungarian Aperient Water," 1 bottle of "Contrexville" natural mineral water, and 1 bottle of "Lycetol-Bayer Gout Water" (215077).

**Henbest, Dr. Lloyd.** (See Interior, U. S. Department of the)

**Henderson, E. P.**, Washington, D. C.: 2 slices of meteorite from Bonita Springs, Lee County, Fla. (213046).

**Henderson, Mrs. Ethel**, Dorchester, Mass.: Stoneware acid cup, stoneware switchel jug (212646).

**Herbário "Barbosa Rodrigues,"** Itajaí, Santa Catarina, Brazil: 298 phanerogams, 73 grasses from Brazil, collected by Rev. Pe. Raulino Reitz and associates (211142); 215 phanerogams, 86 ferns, from Brazil (211592); (through Rev. Pe. Raulino Reitz) 1807 ferns and fragments collected by donor (215060).

**Hetrick, Dr. L. A.**, Gainesville, Fla.: 3 larvae and 6 pupae of wasps (213062).

**Hewatt, Dr. Willis J.** (See Virginia Fisheries Laboratory).

**Hewett, D. F.** (See Morath, Roland H.).

**Hewitt, Edward R., II**, New York, N. Y.: 12 coins of Yemen (214862).

**Hibbard, Raymond R.**, Buffalo, N. Y.: 17 Devonian brachiopods (211576).

**Hicks, Steacy D.**, Kingston, R. I.: 1 polychaete, approximately 120 amphipods, collected from jellyfish in Narragansett Bay, R. I. (208026).

**Highton, Dr. Richard.** (See Grobman, Dr. Arnold B.)

**Hildebrand, Dr. Henry** (See Texas, University of)

**Hill, Dr. John Edwards** (See Great Britain, Government of)

**Hillyer Fund, Virgil L.**, Smithsonian Institution: Earthenware baking oven (212557).

**Hinchey, Dr. N. S.** (See Washington University)

**Hines, General John L.**, Chevy Chase, Md.: Silver-handled walking cane (214044).

**Hinrichs, Mrs. Carl C.**, St. Louis, Mo.: (Through Oscar E. Monnig) meteorite from Kaufman, Tex. (214272).

**Hobbs, Dr. Horton H., Jr.**, Charlottesville, Va.: 201 miscellaneous crustaceans from Florida and Costa Rica and 6 type crayfishes from South Carolina (209564); approximately 1,828 miscellaneous marine invertebrates including 45 insects (212601).

**Hoberlandt, Dr. L.** (See Národní Museum)

**Hodziewicz, Stanley**, Hyattsville, Md.: Program of New York Coliseum opening franked with "Fipex" souvenir sheet, 1956 (211548); 1 first-day cover, 1 folder showing mural in AFL-CIO building in Washington, D. C. (212311); 3 philatelic specimens (213454).

**Hoedeman, Dr. J. J.** (See Zoologisch Museum)

**Hoehne, Dr. F. C.**, São Paulo, Brazil: 2 phanerogams from Brazil (213934).

**Hoes, Mrs. Gouverneur**, Washington, D. C.: Sterling silver snuffbox with stamped bust of Dolly Madison raised on lid, bronze Indian peace medal of Martin Van Buren, bronze Indian peace medal of James Monroe, bronze plaque bearing portrait of Theodore Roosevelt (211557).

**Hoffman, Dr. Glenn L.** (See North Dakota, University of)

**Hoffman, Richard L.**, Blacksburg, Va.: 15 millipedes, types from United States, China, and South America (214766); 3 scorpions and 1 solpugid from Kentucky, Georgia, and Mexico (214932); 3 spiders from North Carolina (214983).

**Hokkaido University**, Sapporo, Japan: (Through Dr. Chihisa Watanabe) 290 small parasitic wasps from Japan (212413, exchange).

**Homan, B. H., Jr.**, New York, N. Y.: 114 French stampless covers, 18 Ecuador original drawings, stamp size (213087).

**Hood, James R.**, North Chattanooga, Tenn.: Approximately 900 land and fresh-water mollusks from the Solomon Islands, New Britain, and New Caledonia (210932, exchange).

**Hoogstraal, Dr. Harry.** (See Defense, U. S. Department of, *Department of the Navy*)

**Hopkins, Sewell H.**, Wadmalaw Island, S. C.: 17 marine mollusks from South Carolina (211278).

**Hopkins Marine Station**, Pacific Grove, Calif.: 85 echinoderms, including types of 3 species (110560).

**Horlbeck, Mrs. F. H.**, Charleston, S. C.: Plant from South Carolina (211060).

**Hornibrook, Dr. N. de B.**, Wellington, New Zealand: Approximately 60 Foraminifera from the Tertiary of New Zealand (211719, exchange).

**Hoshizaki, Mrs. Barbara Joe.** (See California, University of)

**Hotchkiss, Dr. Arland T.**, Louisville, Ky.: 11 phanerogams from Australia (212692).

**Houston, Prof. Walter S.**, Manhattan, Kans.: Specimen of meteorite from Mayday, Kans. (213615); meteorite from Norton County, Kans. (214240).

**Hovanitz, Dr. William**, Pasadena, Calif.: 2 butterflies from North America (211538).

**Hubbard, Dr. C. Andresen**, Tigard, Oreg.: 19 North American fleas (212687); 137 ticks from Iraq (214635).

**Hubbs, Dr. Clark** (See Texas, University of)

**Hubricht, Leslie**, Louisville, Ky.: 30 land mollusks from Kentucky (210945); 1 ring-necked snake, 6 salamanders from Kentucky and Indiana collected by donor (211494); 1 flatworm, 4 earthworms, 5 shrimps, from Mammoth Cave, Ky. (212107); approximately 1,200 fresh-water mollusks, crayfishes, 4 snail-eating beetles, from Kentucky and Virginia (212939); ap-

proximately 400 fresh-water snails from Alabama, Illinois, Missouri, and Virginia, including holotype (213650); 3 crayfishes from Kentucky (213949).

**Hudson, Prof. George E.** (See Washington, The State College of)

**Huerta-Montalvo, Prof. Fco.** (See Guayaquil, University of)

**Hull, W. B.** (See Defense, U. S. Department of)

**Huntington, Mrs. W. Chapin**, Washington, D. C.: Block of pressed brick tea collected by donor's father (212333).

**Hurd, Prof. Paul D.** (See California, University of)

**Hürlimann, Dr. Hans**, Basel, Switzerland: Fern from Tonga Islands (212180).

**Husak, Jerome**, Milwaukee, Wis.: Cacheted envelope for "Topex 1956" (211554); International postal card (213304).

**Hutchins, Dr. Ross E.** (See Mississippi, State Plant Board of)

**Hutchison, P. C.** (See California, University of)

**Hutchison, Victor H.**, Durham, N. C.: 42 salamanders, 1 snake, from Virginia (212937).

**Iceland, Government of**, Reykjavik: (Through Frimerkjasalan) 28 copies stamps and covers of Iceland (214909).

**Idaho, University of** (Through Dr. Stewart C. Schell) 268 fresh-water mollusks from Idaho and Washington (212118); (through W. F. Barr) 2 small moths from Idaho (212373).

**Illinois, University of**, Urbana, Ill.: (Through Dr. Harold W. Scott) 42 gastropods, types, of the Lower Ordovician from Tennessee (211329); (through Dr. Hobart M. Smith) 13 lizards, paratypes, from United States and Mexico (214340, exchange).

**Illinois Natural History Survey Division**, Urbana, Ill.: (Through Dr. Lewis J. Stannard) 2 female thrips from Quebec (212499); 11 slides of thrips from United States (214474, exchange); (through Dr. Thomas E. Moore) 2 plant bugs, paratypes (215056).

**Imperial Jade, Ltd.,** New York, N. Y.: (Through Dr. Armand Hammer) specimen of jade from Long Creek Lode Mine, Lander, Wyo. (212448).

**Imshaug, Dr. Henry A.,** East Lansing, Mich.: 50 lichens from Rocky Mountains (212916, exchange).

**India, Government of, Geological Survey,** Calcutta: (Through: Dr. V. P. Sondhi) plaster cast of mollusk from the Cambrian of Salt Range, Pakistan (213047, exchange).

**Ingeloff, Thorsten,** Karlstad, Sweden: 30 Swedish envelopes (211744); 7 envelopes with Swedish postmarks (212195); 10 specimens of special Swedish cancellations (213308); 11 Swedish covers (214903).

**Institut Royal des Sciences Naturelles,** Brussels, Belgium: (Through Dr. René Verheyen) 118 birds from Belgian Congo (209830, exchange).

**Institute for Tropical Hygiene and Geographical Pathology,** Amsterdam, Holland: (Through Dr. J. Bonne-Wepster) 88 mosquitoes from New Guinea, Java, and Ceram (212581, exchange).

**Institute of Jamaica,** Kingston, Jamaica: 134 phanerogams, 11 grasses, 6 ferns (211440, exchange); 110 phanerogams, 2 ferns, collected by G. R. Proctor in Jamaica (211321, exchange).

**Instituto Agronómico do Norte,** Belém, Pará, Brazil: 52 phanerogams, 10 grasses, 1 fern from Brazil (212364, exchange); 318 phanerogams, 482 grasses, from Brazil, collected by Dr. George A. Black (214605, exchange).

**Instituto de Biología,** Mexico, D. F. (Through Dr. Alejandro Villalobos F.) 2 shrimps, paratypes (212282)

**Instituto de Botánica Darwinion,** San Isidro, Argentina: 26 plants (212235)

**Instituto de Ciencias Naturales,** Bogotá, Colombia: Plant (213291); 19 plants from Colombia collected by L. Uribe Uribe and H. Garcia-Barriga (213607).

**Instituto de Pesquisas Agronômicas,** Pernambuco, Brazil: 13 Brazilian phanerogams (215000).

**Interior, U. S. Department of the,** Washington, D. C.: *Fish and Wildlife Service*: Collection of echinoderms transmitted to the Museum by Dr. Walter K. Fisher in 1943 (165510); 3 phanerogams from New Mexico (213857); 632 bird skins, 2 bird skeletons (214835); plant from New Mexico (215001); (through Dr. Giles W. Mead) 2 fishes (203760); (through Philip A. Butler) 16 mollusks and 4 marine snails from Florida (203814, 213706); (through Roland L. Wigley) 6 marine invertebrates (210168); (through Dr. Harvey R. Bullis, Jr.) 1,041 marine fishes, 35 recent brachiopods, 1,757 marine invertebrates, and 1 marins alga collected by the *Oregon, Pelican,* and *Bowers* (210952, 211231, 211480); (through Paul R. Nichols) 5 specimens of *Argulus* collected from shad, during passing of shad over Hadley Falls Dam on Connecticut River at Holyoke, Mass. (211368); (through Everet C. Jones) 40 copepods (211829); (through Milton J. Lindner) 13 shrimps from Demerara River, British Guiana (212085); (through Alden P. Stickney) 10 amphipods from the estuary of Sheepscot River, Maine (212279); (through Edna N. Sater) die proof of migratory bird hunting stamp, sheet of 28 \$2.00 migratory bird hunting stamps, 1956-57 (212454); through Dr. Donald W. Strasburg) piece of shagreen from lower jaw of fish, holotype, from Sydney, New South Wales (213030); (through Jacob M. Valentine, Jr.) skull of domestic cat from Hog Island, Northampton County, Va. (213440); (through Dorr D. Green) 2 prairie dogs, Oklahoma (214189); (through Clinton E. Atkinson) rainbow trout (214611); 76 mammals (215042). *Geological Survey*: 500 Tertiary brachiopods from Okinawa (211336); 10 Ceratopea, including 8 primary types, 2 holotypes, from Oklahoma; 17 Ceratopea, including 11 primary types, 5 holotypes, 1 figured specimen, from the Geological Survey Lower Ordovician collections (213750); 33 Foraminifera,

including 1 holotype, contained in 23 slides (213751); 71 phanerogams from Nevada collected by Robert Coats (212230); 2 earthenware cooking pots from village of Rumu, Yap, Caroline Islands, collected by Charles G. Johnson, 1947 (212354); approximately 1,200 brachiopods of the Silurian and Devonian of Maine, collected by Dr. Arthur J. Boucot (213843); 1,851 phanerogams, 203 grasses, 45 ferns, 43 cryptogams, from Marshall Islands, collected by Dr. F. R. Fosberg (214469); (through Arthur S. Baker) collection of fish remains from Utah (200057); 3 gastropods from the Eocene of Alsea quadrangle, Oreg., collected by W. C. Warren, I. S. Allison, R. M. Grivetti, Hans Norbiraath and H. E. Vokes, fossil crab from Samar Island, P. I. (211680); 10 cryptogams from Antarctica, collected by Charles R. Lewis (211827); suite of disassociated bones and fragments of 3 types of fishes (212748); 150 killifish (212957); clausenthalite from Corusite Mine, Grand County, Utah, ferroselite from AEC No. 8 Mine, Temple Mountain, Emery County, Utah, 1 lot of specimens of hidalgite from San Pasquale Mine, Zimapan Mining District, Hidalgo, México (213019); (through Dr. Charles W. Merriam) 398 land and fresh-water mollusks from Alaska (211207); (through Dr. Preston E. Cloud) 400 fragments of mollusks from Great Bahama Bank, 15 fishes and insects (211681); (through Dr. Lloyd Henbest) approximately 50 marine mollusks from Handa, Somalia, collected by Thom Ahrens (212184); (through Thomas B. Nolan) 6 specimens of smythite in calcite, type material, from Bloomington, Ind. (212255); 8 chondrosteian fishes from South Dakota (213150); andersonite from Atomic King No. 2 Mine, San Juan County, rabbitite from Lucky Strike No. 2 Mine, Emery County, and umohoite from Piute County, Utah (213581); 1 fish scale from Utah (213705); 146 specimens of invertebrate fossils from Wyoming, Montana, and Idaho (214822); 18 minerals from various lo-

calities and 70 rock specimens from Paraguay (214967); (through Louis L. Ray) 43 land and fresh-water mollusks from Kentucky (212532); (through Dr. W. H. Bradley) 35 marine mollusks from Maine (212652); (through Dr. W. P. Woodring) marine mollusk from Veracruz, Mexico (212858); 4 land shells from Dominican Republic, collected by T. W. Vaughan and Dr. C. Wythe Cooke, 1919 (213840); (through Dr. C. Wythe Cooke) approximately 1,300 marine mollusks from Puerto Rico collected by Dr. Cooke and Arthur D. Watt (213837); (through Dr. Charles B. Hunt) 157 fishes from Death Valley, California (214441); (through Dr. I. G. Sohn) 154 specimens of Upper Cretaceous Ostracoda from North Carolina (214823). (See also Academy of Sciences of U. S. S. R.).

**International Cooperation Administration, Bangkok, Thailand:** (Through Melvin E. Griffith) 10,000 insects from Thailand (214376).

**International Harvester Co., Washington, D. C.:** (Through R. G. Greer) scale model of M-5 half-track personnel carrier manufactured for U. S. Army during World War II (211730).

**Iowa, State University of, Iowa City, Iowa:** 351 phanerogams, 22 grasses, 6 ferns, from Iowa, collected by Dr. Robert Davidson (214243, exchange).

**Iowa State College, Ames, Iowa:** 8 grasses from Pakistan (213713); 98 specimens of phanerogams (miscellaneous legumes), collected by Dr. Duane Isely (214032, exchange); (through Prof. Jean L. Laffoon) 20 exotic beetles from Iowa (214982).

**Irwin, Dr. B. J. D. (deceased):** Specimens of meteorite from Tucson, Ariz. (212670)

**Irwin, H. S., Tacoma, Wash.:** 67 phanerogams, 12 grasses, 1 fern, from British Guiana (209897); 280 phanerogams, 60 grasses, 7 ferns (211313).

**Islas S., Dr. Federico, Balderas, Mexico:** 9 beetles from Mexico (213145, exchange).

**Israel, Government of, Ministry of Posts, Jerusalem, Israel:** (Through Moshe Cohen) envelope franked with airmails, "8th Anniversary" commemorative, and first-day cover commemorating Jewish New Year (212236).

**Issiki, Dr. Syûti.** (See Osaka Prefecture, University of)

**Izzudin bin Yusoff, Ibrahim, Kelantan, Federation of Malaya:** Kris, a symbol of the Malay Kingdom, and wooden sheath, 3 photographs of Malayan men wearing "keris," presented to the people of United States (213538).

**Jackson, Dr. William B.** (See National Research Council)

**Jago, John B., San Francisco, Calif.:** 1 hibonite and 1 crystal of scapolite from Madagascar (211568, 211715); 1 fornacite from Djoue, French Congo, Africa (213991, exchange).

**Jalet, Mrs. Frances, Washington, D. C.:** Dreyse automatic pistol and Beretta automatic pistol, both with holsters (212874).

**Jamison, J. B., Los Gatos, Calif.:** 2 dresses and silk slippers (214392).

**Jamnback, Dr. Hugo.** (See New York State Museum)

**Jardim Botânico do Rio de Janeiro, Rio de Janeiro, Brazil:** 23 plant specimens from Brazil (213605, exchange).

**Jardin Botanique de l'État, Brussels, Belgium:** 509 phanerogams, 95 grasses, 22 ferns, from Belgium and Belgian Congo (213757, exchange); (through Dr. W. Robyns) 100 cryptogams from Belgium (212058, exchange).

**Jedlicka, John F., New York, N. Y.:** cassiterite from Oulmes, Central Maroc, molybdenite from Azegour, Maroc (214239).

**Jellison, Dr. William L., Hamilton, Mont.:** 8 lice (213072). (See also Health, Education, and Welfare, Department of)

**Jenkinson, Mildred E., Bideford, North Devonshire, England:** North Devonshire redware pottery pan (214355).

**Jerome, Dr. Shepard, Mobile, Ala.:** 35-year-old cystoscope (214894).

**Jiménez, Dr. José de Js., Santiago de Los Caballeros, Dominican Republic:** 1 plant, 202 phanerogams, 6 ferns, 11 grasses from Dominican Republic (211138, 211320, 212060, 212233, 213836).

**Johns, Daryl D., Washington, D. C.:** Marriage contract, dated May 28, 1683, made in London Stile, Middlesex (211556).

**Johns Hopkins University, Baltimore, Md.:** (Through Joseph Lintz, Jr.) 66 invertebrate fossils of the Ames and Brush Creek shales, Pennsylvanian Conemaugh formation of Western Maryland (211330); (through Dr. Ernst Cloos) 311 Miocene mollusks from the Zorritos District of Perú (214838).

**Johnson, Dr. Carl M., Panamá, R. P.:** (Through Dr. Alexander Wetmore) Cook's tree boa from Canal Zone, Panama (212593).

**Johnson, Don, Falls Church, Va.:** 2 centerfire cartridges (214041).

**Johnson, Dr. Martin W.** (See Scripps Institution of Oceanography)

**Johnson, Phyllis T., Washington, D. C.:** 28 small mammals from Quebec (212014).

**Johnson, William W., Washington, D. C.:** Confederate 100-dollar bond (214866).

**Jones, Calvin M.** (See Agriculture, U. S. Department of)

**Jones, Charles L.** (See State, U. S. Department of)

**Jones, Dr. E. Ruffin.** (See Florida, University of)

**Jones, Mrs. Edward Darlington, Santa Barbara, Calif.:** (Through Dr. Henry B. Collins) collection of prehistoric and modern Eskimo artifacts and carvings from St. Lawrence Island, collected by Admiral Edward D. Jones, 1920-30 (213544).

**Jones, Mrs. Elizabeth, Washington, D. C.:** Uniform coat, ca. 1902, miscellaneous specimens of insignia and military ornaments, period 1898-1902 (212873).

**Jones, Everet C.** (See Interior, U. S. Department of the)

**Jones, Mrs. Frances,** Washington, D. C.: Large envelope franked with 54 Philippine 5 centavos Marcelo H. Del Pelar stamps (213460).

**Jones, Dr. Frank Morton,** Wilmington, Del.: 27 bag-worms from Brazil (214488).

**Jones, Dr. Robert H.** (See Agriculture, U. S. Department of)

**Jordan, Dr. A. M.,** Kaduma, Northern Nigeria, British West Africa: 8 tsetse flies from Africa (214615).

**Jordan, Dr. Helen E.,** Athens, Ga.: 7 land snails from Georgia (211121).

**Jordan Marsh Company,** Boston, Mass.: (Through Newton L. Walzer) 3 doorways, 2 archways (1 modern) 1 modern stairway from "Oak Hill," Peabody, Mass. (211468).

**Justice, U. S. Department of,** Washington, D. C. *United States Marshal,* Washington, D. C.: 4 firearms (213557).

**Kahle, Keith,** Fort Worth, Tex.: First-flight cover, Liberal, Kans., 1956 (212816).

**Kallejian, Dr. Verne.** (See American Hospital Association)

**Kansas University of,** Lawrence, Kans.: 672 phanerogams, 51 grasses, 11 ferns, from Kansas (211589, 213756, 214604, exchange) (through Dr. C. D. Michener) 158 bees from South America (214776, exchange). (See also Defense, Department of, *Department of the Navy*)

**Karlin, Edward,** Ithaca, N. Y.: 7 land snails from Tompkins County, N. Y. (211020).

**Karrick, Mrs. David B.,** Washington, D. C.: 10 ethnographical objects of Indian provenance, from British Guiana, collected by donor, 1930; also flintlock mechanism for gun, picked up by donor at the Citadel, Haiti (214354).

**Kass, David E.** (See Aker, Samuel)

**Kass, George G.** (See Aker, Samuel)

**Kaye, E. Donald.** (See Pecos Minerals)

**Kaye, Frank B.,** Arlington, Va.: 1 camera, 4-element, tintype lens board assembly (213822).

**Keenan, C. M.** (See Defense, Department of, *Department of the Army*)

**Keenan, Charles J.,** Portland, Oreg.: 2 envelopes with railways cachets Sept. 2, 1956, Bend, Oreg. (215021)

**Keeton, William,** Ithaca, N. Y.: 29 millipedes, including types, from United States (214371).

**Keller, Mrs. Ira,** Washington, D. C.: Early 19th-century mantelpiece (211604).

**Kellogg, Dr. Remington,** Washington, D. C.: Switzerland envelope with meter marking and "Ville de Geneva" museum meter adhesive (213458).

**Kellogg Switchboard & Supply Co.,** Chicago, Ill.: (Through O. C. Bailey) telephone equipment for the telephone exhibit (215006).

**Kelly, Preston L.,** Washington, D. C.: Tiger-eye cabochon from Transvaal, South Africa (212664).

**Kelly, Dr. William A.,** East Lansing, Mich.: Specimen of straight-shelled cephalopod completely enclosed by a stromatopore, from the Devonian rocks at Afton, Michigan (214751).

**Kennedy, Prof. George C.,** Los Angeles, Calif.: 2 specimens of basalt from Paricutin volcano, Mexico, collected in April 1946 (203409).

**Kernodle, George H.,** Washington, D. C.: Spanish chandelier hook (212644).

**Kerrich, G. J.** (See Great Britain, Government of)

**Kincaid, Dr. Trevor,** Seattle, Wash.: 22 copepods, including cotypes (211106).

**King, Col. Norman,** Washington, D. C.: 6 Ryukyu first-day covers, 1 Ryukyu postcard (211341).

**Kirk, Mrs. Edwin,** Charlottesville, Va.: 28 glass and pottery specimens from the Edwin Kirk collection (210339); 4,665 specimens, mostly echinoderms of the Ordovician, including Paleozoic crinoids and miscellaneous Paleozoic invertebrate fossils, from Kirkfield, Ontario, and Burlington, Iowa (212887).

**Kitahama, Kiichi,** Osaka, Japan: 7 specimens associated with Japanese folklore of the puffer, consisting of 3



puffer skin lanterns, with chimneys and handles, 4 ceramic objects consisting of whistle, amulet, dish, and ash tray (210492).

**Knight, Dr. J. Brookes**, Sarasota, Fla.: Gorgonian from Gulf of Mexico (211044).

**Knotts, Mrs. Iris C.**, Washington, D. C.: 6 weapons, consisting of bow, arrow, 2 daggers, 2 double-headed lances, from Bolivia, collected by N. D. Knotts (213036).

**Knowles, Adelaide A.**, St. Petersburg, Fla.: Gray silk dress, ca. 1855 (212655).

**Knowlton, Dr. G. F.** (See Utah State Agricultural College)

**Knox, Mrs. Katherine McCook**, Washington, D. C.: Stuffed cloth bird (213763).

**Koford, Carl B.** (See Smithsonian Institution, *Canal Zone Biological Area*)

**Kondo, Dr. Yoshio.** (See Bishop Museum, Bernice P.)

**Kopf, Rudolph**, Price, Utah: 500 Devonian (Hamilton) brachiopods from the Kasong shale of western New York (211472).

**Korean Chindan Society**, Seoul, Korea: (Through Marcus W. Scherbacher) Buddhist dancer doll, postured with right arm and both legs flexed; costumed in traditional robes (209846).

**Kormilev, Dr. Nicolas A.**, Brooklyn, N. Y.: 44 insects from Texas and Argentina (214489); 2 paratypes of true bugs from Argentina (210363, exchange).

**Kostkos, Henry J.** (See Bell Telephone Laboratories)

**Krämer, Wilhelm, Velkert**, Germany: Franked postcard and a 10-mark Eastern Germany Robert Schumann stamp (215068).

**Krauss, N. L. H.**, Honolulu, T. H.: 948 miscellaneous insects from West Indies and Yucatan (210101); 3,436 miscellaneous insects from North, South and Central America (210103, 207758); 31 land and fresh-water mollusks from Mexico, Bahamas, and Louisiana (211292); 531 ants from South Africa

(213151, 214020); 432 specimens of scarabs from Rhodesia (214633).

**Kreger, A. V.**, Virginia Beach, Va.: Skull of pigmy sperm whale from Virginia Beach (212614).

**Krieg, Fred H., Jr.**, Falls Church, Va.: Marten from Bavaria (211530).

**Krinov, Dr. E. L.** (See Academy of Sciences of U. S. S. R.)

**Krombein, Karl V.**, Arlington, Va.: 113 wasps, 83 insects from Lost River State Park, W. Va. (212690); 3 wasps, type, allotype, and paratype (214226); 128 wasps from North Carolina (214768).

**Krombein, Dr. Louis H.**, Derby, N. Y.: Devonian goniatite from the Styliolina limestone, Erie County, N. Y. (212886); 370 insects from Florida (214477).

**Krukoff, B. A.**, Long Island, N. Y.: 50 drug plants (211129).

**Krumholz, Dr. Louis A.** (See Lerner Marine Laboratory)

**Kuns, Capt. Merle L.** (See McDowell, A/10 Marin M.)

**Kuntz Comdr. Robert E.** (See Defense, U. S. Department of, Department of the Navy)

**Kuykendall, Mrs. David Fox**, Cumberland, Md.: Children's dresses and baby cape (214393).

**Kyoto University**, Kyoto, Japan: (through Prof. M. Tagawa) 500 ferns from Japan (214250, exchange).

**La Bellman, Capt. Meyer**, Orlando, Fla.: 12 pelecypods from the Eocene or Oligocene of Florida (214455).

**Ladies' Hermitage Association**, Hermitage, Tenn.: Gold, buff, and white china bowl from one of the dinner services used at White House by President Andrew Jackson, and a Sheffield covered vegetable dish with sterling silver stag's head handle bought by President Jackson from widow of Commodore Decatur in 1833 and used in the White House (212054).

**Laffoon, Prof. Jean L.** (See Iowa State College)

**Lagaaij, Dr. Robert**, Houston, Tex.: Approximately 16 gorgonians from Pacific coast, 10 Cretaceous brachiopods

and 6 specimens of an Austin Chalk brachiopod from Texas (212368, 212431).

**Lamore, Donald**, Greenbelt, Md.: 3 pouch-young of opossum and 1 yellow-billed cuckoo (211295, 211298); 1 bat, 1 shrew from France (211963); 166 European spiders (214920).

**Lamson, Guy C.**, East Orange, N. J.: 3 clams from San Blas Islands, Panama (214452).

**Lang, Dr. Karl**, Stockholm, Sweden: 176 copepods, collected in Sweden and South Africa 1934-36 by Dr. Lang and Per Brink (213165).

**Langdon, Winston**, Hornersville, Mo.: Langdon collection of maritime photographs (212376).

**Lantern League of the Old North Church**, Boston, Mass.: Wood steeple finial from "Old North" Church, Boston, Mass. (210563).

**LaRivers, Dr. Ira**, Reno, Nev.: Water bug from Paraguay, paratype (215054).

**Latham, Roger**. (See Pennsylvania Game Commission)

**Latham, Roy**, Orient, Long Island, N. Y. 73 land snails from New York (210011).

**Lawrence, Dr. Barbara**. (See Hamlet, John)

**Learnard, R. A.**, Washington, D. C.: 1 jungle quail, 4 bird skeletons (211699, 215039).

**Leech, Dr. Hugh B.** (See California Academy of Sciences)

**Lehmann, Prof. D. Heal Arno**, Halle-Wittenburg, East Germany: 7 canceled East German postage stamps (215025).

**Leonard, W. M.** (See Consolidated Edison Company of New York, Inc.)

**Leonardi, Modesto**, Trona, Calif.: Specimen of minium with massicot from Drift 837, Defiance mine, Darwin, Calif., 2 sassolites from California Borate mine, San Bernardino County, Calif. (212853, exchange).

**Lerner Marine Laboratory**, Miami, Fla.: (Through Dr. Louis A. Krumholz) 2 frogfishes from the Bahama Islands (214994).

**Lesher, Daniel G. H.**, Waynesboro, Pa.: Pennsylvania bar share plow, 1807; linen grain sack, 1842 (214608).

**Leslie, Alexander**, Carmunnock, Lanarkshire, Scotland: (Through U. S. Department of State) U. S. light-artillery saber, Model 1840 (211479).

**Leve, J. Arthur**, New York, N. Y.: Collection of stamps, France and Colonies (211738); 4-volume collection of 4,692 stamps, from British America, Africa, Europe-Oceania, and Asia (213081).

**Lewis, Col. B. R.**, Philadelphia, Pa.: Ethnographical specimens from the Piaroa and Goajiro Indians and bows and arrows from the Motilone Indians, Venezuela (214648, exchange).

**Lewis, J. G.** (See Queen Mary College)

**Liberia, Republic of:** (Through Liberian Philatelic Agency) 7 Melbourne Olympic Games commemorative stamps, 6 Liberian stamps (213310, 214905).

**Liberian Philatelic Agency** (See Liberia, Republic of)

**Library of Congress**, Washington, D. C.: (Through Jennings Wood) 2 Virginia Treasury one-dollar notes, 1 facsimile of Confederate States of America fifty-dollar note (211559).

**Lillard, Carroll C.**, Washington, D. C.: Alligator wrench (211701).

**Limbaugh, Conrad**. (See Scripps Institution of Oceanography)

**Limric, Mr. and Mrs. Joseph W.**, Medfield, Mass.: New England "peach-blow" glass vase (214532).

**Link, Robert**, Villanova, Pa.: Autunite from Daybreak mine, Spokane, Wash. (212946, exchange).

**Lindner, Milton J.** (See Interior, U. S. Department of the)

**Lindquist, Harry L.**, New York, N. Y.: 95 Denmark booklets of 2,140 stamps, 170 Sweden booklets of 3,284 stamps (213082).

**Lintz, Joseph, Jr.** (See Johns Hopkins University)

**Lions International**, Charlotte, N. C.: (Through John L. Stickley) 200 unused stamps of the Philippine Islands (211741).

**Locklin, Charles R.,** Pontiac, Mich.: 2 marine mollusks, paratypes, from Cuba and Florida (211294); 1 very rare marine snail from Bahama Islands, 2,000 fossil mollusks from the St. Petersburg Pliocene of Florida (214738).

**Loeblich, Dr. Alfred R., Jr.,** (See Loeblich, Dr. Helen T.)

**Loeblich, Dr. Helen T., and Dr. Alfred R., Jr.:** 7 foraminiferal samples of the Aquia formation of Maryland (211727).

**Lohse, Dr. Gustav Adolf,** Hamburg, Germany: 9 specimens of 4 species of beetles (212320).

**Loman, Mr. & Mrs. William,** Washington, D. C.: Needlepoint chair seat (212897); (through Mrs. Arnold Miles) 10 costume specimens, mid and late 19th century (211350).

**Long, Elmer R.,** Harrisburg, Pa.: Inaugural-day cacheted envelope postmarked Jan. 21, 1957 at Washington, D. C. (214897).

**Long, G. L.** (See Bell Telephone Company of Canada, The)

**Lonsdale, Dr. John T.** (See Texas, University of)

**López Figueiras, Manuel,** Santiago de Cuba, Cuba: 641 phanerogams, 1 grass, 52 ferns, 3 cryptogams, from Cuba (214247).

**Los Angeles County Museum,** Los Angeles, Calif.: 179 phanerogams and 60 grasses from Brazil, collected by Dr. E. Yale Dawson (212127, 212309).

**Los Angeles, City of,** Los Angeles, Calif.: (Through Richard E. Bullard) 51 cultivated ferns (210423)

**Louisiana Polytechnic Institute,** Ruston, La.: 45 grasses from Louisiana (212026).

**Louisiana State University,** Baton Rouge, La.: 4 grasses from North Carolina, collected by Dr. Clair A. Brown (213809).

**Lowe, Edith Blinston,** Washington, D. C.: Inlaid Turkish box, 1 walnut desk-box (214232).

**Lowenstein, Ernest,** New York, N. Y.: 73 varieties of Mauritius stamps, 1 picture postcard (211549).

**Lowenstein, Tom,** New York, N. Y.: 2,483 stamps of Australia, 1,416 stamps of Austrian Levant and offices of the Hungarian Empire, 162 stamps of Lundy Islands (211550).

**Loyd, Mrs. Charles Y.,** Arlington, Va.: Knitted counterpane, linen sheet, pillowcase, wool twill blanket, wool blanket marked "J W T," tufted counterpane (212441).

**Loyola University,** New Orleans, La.: (Through Prof. Walter G. Moore) 13 brachiopods from Oklahoma and Texas (212559).

**Luczkowska, Dr. Ewa,** Cracow, Poland: 2,695 Foraminifera from the Cretaceous, Eocene and Miocene of Poland (209262, exchange).

**Lund, University of,** Lund, Sweden: (Through Dr. Gerhard Regnéll) 94 brachiopods of the Cretaceous from Sweden (214167, exchange).

**Lutz, Dr. Bertha,** Rio de Janeiro, Brazil: Plant (212232).

**Lyman, Dr. John.** (See Defense, U. S. Department of, *Department of the Navy*)

**Lynn, Dr. W. Gardner,** Washington, D. C.: 23 frogs from Jamaica and Antigua (214582). (See also Catholic University and Maj. Chapman Grant)

**Maas, Alberto E.,** Alamos, Sonora, Mexico: (Through Maurice J. Hebner) clinozoisite from Sonora, Mexico (214348).

**MacAulay, Arthur E.,** Grand Rapids, Mich.: Fijian war club, collected by John Thompson, 1830 (212835).

**McDowell, A/IC Marin M.,** Shreveport, La.: (Through Capt. Merle L. Kuns) burrowing snake from Mona Island, P. I., collected by donor (213858).

**MacGinitie, G. E.,** Newport Beach, Calif.: 1 Holothurian (110560).

**MacGregor, Malcolm,** Bronxville, N. Y.: Glo-Craft quartz lamp, Kimac viewer with slide (213086).

**Machatschki, Dr. F.** (See Meixner, Dr. Heinz)

**Mackenthun, Dr. Kenneth M.,** Madison, Wis.: 2 samples of diatoms from Wisconsin (211836).

**MacLean, William P.**, New York, N. Y.: Wall lizard from Madrid, Spain (212777).

**MacLeod, Ellis**, Olney, Md.: 38 specimens of spongilla-flies from Great Falls, Md. (211542).

**Macnae, William**, Grahamstown, South Africa: 15 mollusks from South Africa (212768).

**Macurdy, Arthur**, Silver Spring, Md.: Lower cheek tooth of fossil horse and distal end of tarso-metatarsus of fossil bird from cliffs of Chesapeake Bay near Parker's Creek, Md. (211134).

**Magner, Rev. James A.** (See Catholic University of America)

**Maguire, Dr. Bassett** (See New York Botanical Garden)

**Mahadeva, N.** (See California, University of)

**Mahadevan, Prof.**, Waltair, India: (Through George L. Schoechele) 106 amphipods (212086).

**Maisel, William**, Baltimore, Md.: 16 U. S. stamped envelopes, 2 portions of stamped envelopes with stamp impressions intact (213551).

**Malaga-Alba, Dr. Aurelio**, Mexico, D. F.: Vampire bat (215045).

**Maldonado-Capriles, Dr. J.**, Mayaguez, Puerto Rico: 25 leaf hoppers from upper reaches of Amazon River, Brazil (211544); 3 mosquitoes with associated larval skins from Puerto Rico (214928).

**Maloney, Robert H.**, Toledo, Ohio: Two-tiered replica of 19th-century apothecary show globe (215076).

**Manderschied, Clara** (See Manderschied, Mrs. Jane Tompkins (deceased))

**Manderschied, Mrs. Jane Tompkins** (deceased): (Through Clara Manderschied) early 19th-century petit point embroidery (214891).

**Manning, Mr. and Mrs. John**, Beverly Hills, Calif.: (Through Gilbert L. Voss) 35 Crustaceans collected in Chile by donors (210701).

**Marsh, Mrs. George Everett**, Washington, D. C.: Wade & Butcher straight-edged razor, "The Fox" safety

razor set, Auto Strap safety razor, 1 lot of hand-forged nails from colonial house on Patuxent River, Keen Kutter safety razor in box, presented in memory of donor's husband (211703); (through Rosemary L. Marsh) French pocket pedometer (211902).

**Marsh, J. A.**, Rockhampton, Queensland, Australia: Marine mollusk from Queensland, Australia (212341).

**Marshall, Byron C.**, Hot Springs National Park, Ark.: Pickeringite from barite mines, Hot Springs County, Ark. (213899).

**Marshall, General George C.**, Washington, D. C.: Sicilian cart presented to donor in honor of contribution American people and the American Government made through the European Recovery Plan (214709).

**Martin, Margaret B.** (See Bickmore, Prof. Albert Henry)

**Maryland, University of**, College Park, Md.: (Through Dr. Howard E. Winn) 28 fishes from Bermuda (210916).

**Maslin, Dr. T. Paul** (See Colorado, University of)

**Massachusetts, University of**, Amherst, Mass.: (Through Prof. William B. Becker) 5 isopods from a piece of wood (206657); (through D. J. Sutherland) 11 fishfly larvae, 7 non-biting midge larvae, from North Amherst, Mass. (214366); (through Dr. C. P. Alexander) 93 flies from worldwide (214917).

**Massachusetts General Hospital**, Boston, Mass.: Pre-1900 hospital ward fixtures consisting of blacksmith bed, pitcher, bowl, chamber, bookcase, bedside table, and bedwarmer (210567).

**Masters, George E.**, St. Paul, Minn.: Cacheted airmail envelope, 30th-anniversary flight, New York to Seattle, 1956 (213092).

**Masterson, Mrs. Doris**, Ukiah, Calif.: 3 specimens of a small wasp from Ukiah, Calif. (211541).

**Matsunaga, Takashi**, Tokyo, Japan: 8 Foraminifera from the Tertiary of Japan (211725, exchange).

**Matthews, Ransom**, Los Angeles, Calif.: Atwater Kent ignition system, model K-2 (211154).

**Mattingly, P. F.** (See Great Britain, Government of)

**Mattoni, Dr. R. H. T.**, Los Angeles, Calif.: 6 butterflies from North America (211543).

**Mattox, Dr. N. T.** (See Southern California, University of)

**Mavromoustakis, G. A.**, Limassol, Cyprus: 33 named bees from Cypress, 331 wasps, 14 bees, from Europe (212866, 214493, exchange).

**McAfee, Mrs. William**, Washington, D. C.: Child's dress, pale yellow (213452).

**McAuliffe, Philip J.**, Lynn, Mass.: 4 glass-labeled shelfware drug bottles (214850).

**McBee, R. H.**, Bozeman, Mont.: Young Skua gull from Antarctic collected by Karl Eklund (214116).

**McCall, Francis J.**, Washington, D. C.: 50 Supreme Court special stamps, 1950, 200 Mount Vernon stamps, 1954 (211340); Princeton Alumni Weekly, vol. 56, No. 30, featuring Nassau Hall stamp, and autographs of Supreme Court Justice John Marshall Harlan and Harold W. Dodds, President of Princeton (212451); 14 specimens of covers franked with copies of Bermuda stamps, and paper with cancellations, registrations, etc. markings of Bermuda now obsolete (213301); envelope USN "Little America Operation Deepfreeze" cancellation (215022).

**McCandless, Ronald R.**, Butler, Pa.: Bottle of Bateman's pectoral drops, and advertisement of uses of this medicine (213044).

**McDermott, Frank A.**, Wilmington, Del.: 3 glowworms from North America, 2 adults and 1 larva of a beetle from Delaware (211539, 214627).

**McDiarmid, Dr. Erret W.** (See Minnesota UNESCO Committee)

**McDunnough, Dr. J.**, Halifax, Canada: 7 paratypes of 4 new species of Coleophora (213411).

**McFarland, William N.** (See Norris, Kenneth S.)

**McGinty, Thomas L.**, Boynton Beach, Fla.: 6 marine mollusks from West Indies (211825).

**McGuinness, Albert L.**, Butte, Mont.: Specimen of gold from Liberty, Wash., ilvaite from Laxi mine, South Mountain, Idaho, 1 ludlamite and vivianite and 1 vivianite from Blackbird District, Lemhi County, Idaho, 1 ferberite from Rollinsville District, Boulder County, Colo., 1 hinsdalite on enargite and covellite and 3 digenites from Leonard mine, Butte, Mont. (212854, exchange); 1 vivianite and ludlamite, 1 vivianite with evansite from Lemhi County, Idaho, 1 tennantite on digenite, 2 digenites from Butte, Mont. (214238, 214692, exchange).

**McKaig, W. Wallace**, Cumberland, Md.: 2 wedding invitations (214395).

**McKenney, Mrs. Gladys**, Kissimmee, Fla.: Brown silk dress (213449).

**McKinney, Miss Elva L.**, Washington, D. C.: Victorian cardboard embroidery and Staffordshire gaudy luster cup (211579, 211600).

**McLane, Dr. William M.**, Ft. Lauderdale, Fla.: Approximately 550 shrimps, 84 bopyrid isopods (212506). (See also Florida Game and Fresh Water Fish Commission)

**McNally, J. H.**, San Francisco, Calif.: 12 scarab beetles from North America (214491).

**McVaugh, Dr. Rogers.** (See Michigan, University of)

**Mead, Dr. Giles W.**, Washington, D. C.: Crab from Sagami Bay, Japan (212084); 3 fishes, scombroid skeletons, from Japan (213246). (See also Backus, Dr. Richard H., Stick, Frank, and Interior, U. S. Department of the)

**Mechanix Illustrated**, New York, N. Y.: Model of U. S. submarine *Nautilus* CSSN-570 (210194).

**Medem, Dr. Fred**, Bogotá, Colombia: 19 frogs from Colombia collected by donor (211682).

**Mehta, Dhirubhai**, Bombay, India: 2 Indian first-day covers and 2 envelopes commemorating events in India (211343, 212452, 214899).

Meixner, Dr. Heinz, Karnten, Germany: (Through Dr. F. Machatschki) tertschite from Kurtpinari mine, Faras, Turkey (213845).

Merck & Company, Inc., Rahway, N. J.: Plant from Guatemala and 7 phanerogams (211139, 211140).

Merriam, Dr. Charles W. (See Interior, U. S. Department of the)

Merrill, Eliza W. (See Merrill, Gertrude H.)

Merrill, Gertrude H., and Merrill, Eliza W., Arlington, Va.: 1 bedwarmer and 1 manuscript (211894).

Messersmith, Jesse B., Danville, Pa.: Strip of rag carpet (213543).

Metz, Prof. Dr. K. (See Universität Graz, Geologische Institut)

Meurer, J. J., Hillegom, The Netherlands: (Through Dr. Reece I. Sailer) 96 specimens of 21 species of insects from Holland (213781, exchange).

Miami, University of, Coral Gables, Fla.: (Through Don de Sylva) 2 fishes from Amazon territory of Peru (211534); (through Dr. C. Richard Robins) 2 fishes, including an antenarid from Florida, and an anchovy from Chile (214344).

Michener, Dr. C. D. (See Kansas, University of)

Michigan, University of, Ann Arbor, Mich.: 75 grasses from Mexico, collected by Dr. José Vera Santos (207787); 35 lichens chiefly from Rocky Mountain National Park (211153, exchange); 845 phanerogams, 27 grasses, 231 ferns from Hong Kong, 250 ferns and 268 phanerogams from California and Mexico (212799, 213579, exchange); 3 duck skeletons (214836); (through Dr. Warren H. Wagner, Jr.) 4 fern hybrids (212178); (through Dr. G. Alan Solem) approximately 100 land and fresh-water mollusks including 7 paratypes from New Hebrides, Brazil, and Mexico (212339, exchange); (through Dr. Robert R. Miller) 30 shrimps from Laguna Coyuca, Guerrero, Mexico (212753); (through Dr. Rogers McVaugh) phanerogam from Mexico (212911, exchange); 153 Mexican ferns (213604, gift-exchange);

(through Dr. Reeve M. Bailey and Dr. William Ralph Taylor) 14 fishes consisting of 5 skeletons and 9 paratypes (213013, exchange).

Michigan State University, East Lansing, Mich.: 39 ferns (212083); (through Prof. Burr K. Osborn) AC generator, DC generator, DC motor (214022).

Miles, Mr. and Mrs. Arnold, Washington, D. C.: Green plush collar and cuff box, early 20th century, containing 7 stiffly starched white cuffs and pair of painted china cuff links (211349); "John Bell/Waynesboro" redware pot (211603); "Violetta" high-frequency generator, with simulated leather carrying case (212531); 31 specimens of costumes and costume accessories, 19th- and 20th-centuries (212883); 3 silk handkerchiefs, small study sample of hand-woven carpeting (212898); Reflex gas mantle, glass curling-iron holder (213034); needlework picture and process specimen of battenberg lace (214262); (See also Loman, Mr. and Mrs. William)

Miller, Dr. A. K., Iowa City, Iowa: Brachiopod from the Devonian of Ontario (213613).

Miller, Gerald Henry, Miami, Fla.: 6 Chinese stamps (214047).

Miller, Gerrit S., Jr. (estate of): (Through Mrs. Robert Schwaab) 14 small mammals (211135).

Miller, Dr. N. C. E., London, England: 2 insects from Belgian Congo (214228).

Miller, Dr. Norman M. (See Setzer, Dr. Henry W.)

Miller, R. Keith. (See Nevada, University of)

Miller, Dr. Robert R. (See Michigan, University of)

Miller, Comdr. Walter B., Port Huene, Calif.: (Through Dr. G. Alan Solem) land mollusk, holotype, from New Hebrides (212340).

Milliron, Dr. Herbert, Newark, Del.: 5 moths (212008, 213073).

Mincham, Hans, Whyalla, South Australia: 22 Tertiary mollusks, 15 Cam-

brian pleosponges, 3 Triassic plants from Australia (211636, exchange).

**Mineralogisches Institut der Universität Heidelberg, Germany:** (Through Dr. F. Seelinger) 2 specimens of calcioferite from Germany (214912).

**Mineralogisch-Petrographisches Institut der Universität, Heidelberg, Germany:** (Through Prof. Paul Ramdohr) specimen of hastite and trogtalite from Harz, Germany (214237).

**Miners Foundry & Manufacturing Co., Nevada City, Calif.:** (Through R. R. Goynes) Pelton water turbine (212375).

**Ministério da Agricultura, Divisão de Fomento da Produção Animal, Rio de Janeiro, Brazil:** 4 grasses from Brazil (210188).

**Ministério da Viação e Obras Públicas, Fortaleza-ce, Brazil:** (Through Dr. Carlos Bastos Tigre) 6 fishes from Brazil (210165, exchange).

**Ministério de Agricultura, Havana, Cuba:** (Through Ing. Fernando de Zayas Muñoz) 12 moths, 1 fly, 10 true bugs, 12 beetles (212985, exchange).

**Ministério de Agricultura y Cria, Caracas, Venezuela:** 4 phanerogams, 5 grasses, 53 ferns, 7 cryptogams (211914); 150 phanerogams, 2 ferns from Venezuela collected by Dr. Leandro Aristeguieta (213829, 213834); 33 phanerogams, 19 grasses, 1 fern from Venezuela, collected by Dr. Francisco Tamaya (211137, 213514).

**Minneapolis-Honeywell Regulator Co., and Brown, R. P., Philadelphia, Pa.:** 3 Brown electric pyrometers (214264).

**Minnesota, University of, Minneapolis, Minn.:** 464 phanerogams, 43 grasses, 31 ferns, 20 cryptogams (214103, gift-exchange); *Duluth Branch:* 1 grass, 29 ferns from Minnesota (213546).

**Minnesota UNESCO Committee, Minneapolis, Minn.:** (Through Dr. Erret W. McDiarmid) UNESCO seal (213311).

**Mississippi, State Plant Board of, State College, Miss.:** (Through Dr.

Ross E. Hutchins) 25 ants from Mississippi (214368).

**Missouri, University of, Columbia, Mo.:** 1 grass from Missouri (211093).

**Missouri Botanical Garden, St. Louis, Mo.:** 54 ferns from Peru (214471, exchange); 443 phanerogams, 160 grasses, 15 ferns, 3 cryptogams, from East Africa (211591, exchange); 443 phanerogams, 2 ferns collected by Leopold A. Charette (214889, exchange).

**Mitchell, Prof. T. B.** (See North Carolina State College)

**Mockford, Edward L., Pinckney, Mich.:** 21 specimens of types of 6 species of North American lice (212684).

**Mogull, Edward, Bridgeport, Conn.:** 3 Lambeth delft evers and 12 French porcelain apothecary jars (215079).

**Monaco, Principality of:** (Through Henry Gamerdinger) 20 mint stamps, 1 first-day cover (215066).

**Monnig, Oscar E.** (See Hinrichs, Mrs. Carl C.)

**Monroe, Dr. Eugene G.** (See Canada, Government of)

**Moojen, João.** (See Museu Nacional)

**Moore, Prof. Dwight M.** (See Arkansas, University of)

**Moore, Dr. H. E., Jr.** (See Cornell University)

**Moore, Mrs. Samuel, Lansdowne, Pa.:** Plattner blowpipe with attachments (212973).

**Moore, Dr. Thomas E., Urbana, Ill.:** 5 bugs from Indonesia (214987). (See also Illinois Natural History Survey)

**Moore, Prof. Walter G.** (See Loyola University)

**Moran, Connie, Bradford, Pa.:** Mariner's compass, 1837 (211303).

**Morath, Roland H., Los Angeles, Calif.:** (Through D. F. Hewett) specimen of uraninite and gummite from Morath mine, Twenty Nine Palms, Riverside County, Calif. (213290).

**Morgan, Mrs. Elonzo T., Fairmont, W. Va.:** Large stoneware cake pan presented in memory of Mrs. Edward Ames Grose (213542).

**Morris, Mrs. George Maurice, Washington, D. C.:** 21 19th-century Minton ceramic tiles, 2 panels of embroidered

crewelwork (211311); wooden tray, 18th-century brass candlestick, brass samovar (214233).

**Morris, James L.**, Boise, Idaho: 5 tourmaline crystals from Valley County, Idaho, 1 stilbite and 1 muscovite from Shaw Mountain, Boise, Idaho (211713).

**Morrison, Dr. Joseph P. E.**, Washington, D. C.: 12 cartridges in original packing box (214040); 5 dragonflies from Virginia (214780).

**Morrison, Dr. Joseph P. E., and de la Torre, Dr. Alfredo**, Washington, D. C.: 3 bats from Frederick County, Virginia (214911).

**Moscow State University**, Moscow, U. S. S. R.: Cast of skull and lower jaw of Mousterian child, from Staroselje, Crimea (212814, exchange).

**Mothersill, Mrs. Philip W.**, Alexandria, Va.: Mahogany veneer American sleigh bed, originally property of John Quincy Adams (214394).

**Moure, Padre J. S.** (See Paraná, University of)

**Moyer, Jack T.**, San Francisco, Calif.: 4 birds from Japan (214757).

**Mrose, Miss Mary**, Washington, D. C.: 3 vayrynenites, 2 lepidolites, 1 muscovite, 3 triplites, and 2 amblygonites from Erajarvi, Finland (211325); talc-tripelite from Horrsjöberg, Wermland, Sweden, metastrengite from Chateauboube, Haute Vienne, France (213051). (See also Amor, Dr. I. Asensio, and Pauly, Hans)

**Muenzen, Carl C.**, New York, N. Y.: Spanish-American field cup (213992).

**Mulliken, Miss Jean Hayden**, Washington, D. C.: Honeycomb cotton counterpane (210875).

**Mundy, Dr. James H.**, Ellensburg, Wash.: Plaster mold of perfect set of upper and lower dentures (213270).

**Muñoz, Ing. Fernando de Zayas**. (See Ministerio de Agricultura)

**Munroe, Mrs. Russell**, Silver Spring, Md.: Edison telephone transmitter and receiver, detonator line tester, Thomson voltmeter, milliammeter, precision balance, diffraction grating, plotmeter, microscope, refrigerator, counter, clock,

4 Edison lamps, filament for lamp bulbs (212171).

**Murayama, Dr. Jojo J.**, Shomonoseki City, Japan: 204 beetles from Japan, Korea, and Manchuria (213059, exchange).

**Murch, Comdr. R. W.**, USNR, Kirkwood, Mo.: Cacheted envelope with "Operation Deepfreeze" cancel (215023).

**Murphy, George D.**, Norbeck, Md.: Magnetic sound recorder, Recordophone (211301).

**Musée Royal d'Histoire Naturelle**, Brussels, Belgium: (Through Dr. A. Collart) 87 specimens of 23 species of European and African flies (212677, exchange).

**Museo de Historia Natural "Javier Prado"**, Lima, Peru: 51 grasses, 12 phanerogams from Peru: (211092, 211134, 211595); 51 grasses from Peru; collected by Emma Cerrate (213096).

**Museo de Historia Natural La Salle**, Caracas, Venezuela: (Through Dr. Cesar Alemán G.) 2 frogs from Venezuela (212104).

**Museu Nacional**, Rio de Janeiro, Brazil: (Through João Moojen) 31 small mammals from Brazil (213045).

**Museum d' Histoire Naturelle**, Geneva, Switzerland: (Through Dr. Charles Ferrière) 12 ants from United States, Fiji and British Solomons (212482, exchange).

**Muséum de Sciences Naturelles**, Lyons, France: (through Dr. J. Viret) 9 fossil mammals from Eocene and Oligocene of France (211074, exchange).

**Museum G. Frey, Entomologisches Institut**, Tutzing, Germany: (Through Dr. E. Haaf) 147 weevils from Europe (214225, exchange).

**Museum of Natural History of Houston**, Houston, Tex.: Cultivated plant from Louisiana (211316); 3 plants cultivated in Texas (211702).

**Myers, Gary J.**, Lawrence, Kans.: 34 land shells from Texas and New Mexico (212767).

**Nakahara, Dr. Waro**, Tokyo, Japan: 18 Neuroptera from Japan (214487, exchange).



**Napier, Maud**, Washington, D. C.: Red velvet hat, ca. 1919, brown lace hat, ca. 1925 (214251).

**Národní Museum**, Prague, Czechoslovakia (through Dr. L. Hoberlandt) 15 true bugs from Czechoslovakia and Turkey (211451, exchange).

**National Institute of Agricultural Sciences**, Tokyo, Japan: (Through Dr. A. Habu) 20 insects from Japan (214154, exchange).

**National Museum**, Manila, P. I.: 133 phanerogams, 24 grasses, 5 ferns from the Philippines (213545, exchange).

**National Museum of Victoria**, Melbourne, Australia: (Through Dr. Edmund G. Gill and Mrs. Richardson) 15 Tertiary brachiopods and 1 Devonian brachiopod (211577, exchange).

**National Research Council**, Washington, D. C.: (Through Dr. William B. Jackson) 21 bird skins and 2 skeletons, 11 mammals, 99 reptiles, 472 ectoparasites, 7 insects, miscellaneous mollusks and helminths from the Caroline Islands (213901); 1 mammal, 18 reptiles, 65 insects, mollusks, fishes, and invertebrates from Ponape and other islands in the Carolines (214998).

**National Science Foundation Fund.** (See Walcott Fund)

**National Science Museum**, Tokyo, Japan: 176 phanerogams, 12 grasses, 12 ferns from Japan (211594, exchange).

**Náttúrugripasafnid** (Museum of Natural History), Reykjavik, Iceland: (Through Dr. Finnur Gudmundsson) white-fronted goose (214834).

**Naturhistorisches Museum**, Vienna, Austria: (Through Dr. J. Eiselt) 98 frogs mostly from southern Brazil (211880); (through Dr. Max Fischer) 56 wasps representing 34 species (213277, exchange)

**Naturhistoriska Riksmuseet**, Stockholm, Sweden: 1,320 phanerogams, 265 grasses, 55 ferns of South America collected by Dr. E. Asplund (211908, exchange); 1,058 phanerogams from Hispaniola, collected by E. L. Ekman (212528, exchange).

**Needham, Richard M.**, Lancaster, Ohio: First-day cover for 3-cent Labor Day commemorative (212189); 2 first-day covers with Masonic cachets (215018).

**Nelson, Gayle H.**, Whitmore Lake, Mich.: 95 beetles from the United States (214086).

**Nelson, Dr. Lloyd A.**, El Paso, Tex.: 4 brachiopods from Upper Sly Gap formation, Rhodes Pass, San Andres Mountain, N. Mex. (212447, exchange).

**Nero, Robert W.** (See Saskatchewan Museum of Natural History)

**Netherlands, Government of the**, *Administration des Postes, Telegraphes et des Telephones*, The Hague: Netherlands 85-centime stamp, mint, with portrait of Queen Juliana (211553); first-day cover franked with 5 Netherlands Olympic Games stamps (212239); 22 stamps and covers (214048, 215026).

**Neuman, Robert B.** (See Wade, Bruce)

**Nevada, University of**, Reno, Nev.: (Through R. Keith Miller) 3 grasses (210432).

**Newcomb, Mr. and Mrs. Richard C.**, New London, Conn.: Seth Thomas 8-day shelf clock with wooden works (213296).

**New England, University of**, Armidale, New South Wales: (Through Dr. Kenneth Campbell) 12 specimens and 6 rubber impressions of Mississippian and Permian brachiopods from New South Wales (211333, exchange).

**New Hampshire, University of**, Durham, N. H.: 18 phanerogams from Alaska collected by A. R. Hodgdon (211586, exchange).

**Newman, Mrs. J. B.**: 2 black widow spiders from Montgomery County, Md. (214636).

**New York Botanical Garden**, New York, N. Y.: 2 plants of South America (211445); 9 phanerogams from Venezuela (211525); 366 flowering plants from northeastern South America, 104 from Ecuador (211906, exchange); 1 grass from Ohio (212308); 250 phanerogams, 2 ferns, from South America (213094, exchange); 131 phanerogams,

2 ferns from Peru collected by G. Tessman (211152, gift-exchange); 29 grasses from South America collected by John J. Wurdack and Joseph V. Monachino (211369); (through Dr. Bassett Maguire) 13 ferns, 1 phanerogam from Venezuela (211658).

New York State Museum, Albany, N. Y.: Iroquois Indian pottery pipe and cast of Mohawk Indian jar (214464, exchange); (through Dr. Hugo Jannback) 9 flies from New York (214773).

New York Zoological Society, New York, N. Y.: (Through James W. Atz) 1 fish from Philippine Islands (214513).

New Zealand, Government of: (Through New Zealand Embassy) 2 large kava bowls carved from the hardwood "vesi" (213035).

New Zealand Embassy. (See New Zealand, Government of)

Nichols, Paul R. (See Interior, U. S. Department of the)

Nielsen, Dr. E. (See Danish Mineralogical Museum)

Nishida, Dr. Makoto, Chiba, Japan: 5 ferns from Japan (214737).

Nolan, Dr. Thomas B. (See Interior, U. S. Department of the)

Norris, Kenneth S., and McFarland, William N., Portuguese Bend, Marineland, Calif.: Paratype of porpoise from Baja California (211655).

Norrish, Dr. K. (See Australia, Government of)

North Carolina, University of, Chapel Hill, N. C.: 11 plants (211849, exchange); *Institute of Fisheries Research*, Morehead City, N. C.: (Through Dr. Austin B. Williams) approximately 350 miscellaneous marine invertebrates from plankton tows, Beaufort, N. C., collected by Dr. Austin B. Williams and E. Deubler, Jr. (213497).

North Carolina State College, Raleigh, N. C.: (Through Prof. T. B. Mitchell) 13 bees from United States (214990, exchange).

North Dakota, State Historical Society of, Bismarck, N. D.: (Through Dr. Alan R. Woolworth) bird bones from archeological excavation at Kipps Post, N. Dak. (213952).

North Dakota, University of, Grand Forks, N. Dak.: (Through Dr. Glenn L. Hoffman) 10 fresh-water snails from North Dakota (209323).

North Dakota Agricultural College, Fargo, N. Dak.: 61 phanerogams, 4 grasses, 3 ferns, 1 cryptogam, from North Dakota (212355, gift-exchange); (Through Dr. R. L. Post) 2 thrips from North Dakota (214482).

North Electric Company, Galion, Ohio: (Through R. B. Wiseman) telephone equipment for the telephone exhibit (215005).

Northrop, Dr. Stuart A., Albuquerque, N. Mex.: 12 brachiopods from the Ordovician Bliss sandstone, Caballo Mountains, New Mex. (211328).

Norway, Government of: (Through Torfinn Oftedal) unused Norwegian postcard and reply card, 3 unused postcards and 2 unused stamps (210950, 211223).

Novak, Mrs. Julia Mikota, Algonquin, Ill.: Rex visible typewriter No. 4 (213419).

Nylander Museum, Caribou, Maine: (Through Charles J. Brett, Jr.) 4 brachiopods of the Silurian from Canada, 11 brachiopods of the Devonian from Maine (212352, exchange).

Oaks, Orville A., Wilmette, Ill.: Wood specimen of *Queule* collected near Concepción, Chile, by Dr. Dillman Bullock (211578, exchange); wood specimens of tree fern from New Zealand and Philippines (212332); 29 wood specimens collected in Okinawa (215070, exchange).

Oboler, Arch, Studio City, Calif.: Celestite crystal from Sterling, Colo. (212892); 2 specimens of chrysocolla from Bagdad, Ariz., 1 specimen of diop-tase from Tiger, Ariz., 1 specimen of vanadinite from Chihuahua, Mexico (214235, exchange).

Oertli, Dr. H., Chanboucey, France: 9 slides and 1 sample of ostracods of the Mississippian from the Sahara Desert (212463, exchange).

Oftedal, Torfinn. (See Norway, Government of)

**Ohio Bell Telephone Company, The,** Cleveland, Ohio (Through Norman C. Treadon) telephone equipment for telephone exhibit (215004).

**Oklahoma, University of,** Norman, Okla.: (Through Dr. George M. Sutton) 6 lark sparrows from Oklahoma (207809, exchange).

**Oklahoma Agricultural and Mechanical College,** Stillwater, Okla.: 264 phanerogams, 27 grasses from Mexico and the United States collected by Prof. U. T. Waterfall (214380, exchange).

**Old, William E., Jr.,** Norfolk, Va.: 2 marine mollusks from Currituck County, N. C. (211485).

**Olin Mathieson Chemical Corp.,** Winchester-Western Division, New Haven, Conn.: Johnson semi-automatic rifle (214042).

**Oliver, Smith H.,** Lake Worth, Fla.: Tycoos Sphygmonanometer, standard type, in black leather case (212052).

**Olsen, Dr. Leland S.,** Lincoln, Nebr.: Holotype and allotype of a nematode worm (210942).

**Oman, Dr. Paul W.** (See Agriculture, U. S. Department of)

**Onsrud Machine Works, Inc.,** Niles, Ill.: 2 Onsrud air turbine motors, 1 Onsrud air turbine rotor (214386).

**Ordway, Miss Ellen,** Portal, Ariz.: 12 beetles from the United States (212676).

**Orton, Edward W.,** Baton Rouge, La.: 25 brackish-water clams from Louisiana (211503).

**Örving, Dr. Tor.** (See Swedish Museum of Natural History)

**Osaka Prefecture, University of,** Sakai, Osaka, Japan: (Through Dr. Syûti Issiki) 29 moths from Japan (214476).

**Osborn, Prof. Burr K.** (See Michigan State University)

**Osburn, Dr. Raymond C.** (deceased): 18 lots of bryozoa, including 3 type lots (201008).

**Over, Edwin,** Woodland Park, Colo.: 2 godolinite in yttriofluorite from the Teller pegmatite, Lake George district, Park County, Colo. (211324).

**Overman, Mrs. Minne Kyle,** Washington, D. C.: Jacquard coverlet, bird-in-the-nest design with Old Boston Town border, woven before 1852 (212529).

**Overn, James J.,** Miami, Fla.: 50 sterling-silver souvenir spoons of various sizes, late 19th- and early 20th-centuries (212110).

**Pacific Lumber Co.,** Chicago, Ill.: (Through John Reno) finished redwood block cut from a log unearthed in 1954 near Scotia, Calif., and found after more than twenty centuries buried underground (211903).

**Paige, Jason, Jr.,** Delaplane, Va.: Paleolithic flint tools from Limburg, Belgium (214613).

**Painter, Fred P., and Painter, H. Thomas,** Woodstock, Va.: Copy of pictorial newspaper "Brother Jonathan", of the period of war with Mexico (212656).

**Painter, H. Thomas.** (See Painter, Fred P.)

**Pakistan, Government of, Consulate General of Pakistan,** New York, N. Y.: 4 blocks of 4 mint 2-anna stamps commemorating 9th anniversary of Pakistan's independence (211949).

**Palmer, Mrs. Theodore Sherman,** Washington, D. C.: 78,405 stamps, covers, and postal stationery from foreign countries (208146).

**Palmer, Dr. V. M.,** White Plains, N. Y.: dobson fly (211768).

**Paraná, University of,** Curitiba, Brazil: (Through Padre J. S. Moure) 84 bees from Brazil (214931, exchange).

**Paris, University of, Mineralogical Laboratory,** Paris, France: (Through Dr. Claude Guillemin) 21 mineral specimens, including phosphuranylite, lavendulan, parsonsite, tyrolite, autunite, vulfenite, chromochre, chalcophanite, descloizite, renardite, hibonite, angle-site, kasolite, beta-duftite, zeunerite, hemimorphite, cesarolite from Tunisia, France, Iran, French Congo, Madagascar (214794, exchange)

**Parker, Frances L.,** La Jolla, Calif.: 4 Foraminifera from the Recent of the Mediterranean (211724).

**Parker, Dr. Kittie F.**, Bethesda, Md.: 17 phanerogams from Western United States collected by J. M. Tucker (214034).

**Parker, Robert H.** (See Scripps Institution of Oceanography)

**Parks, Mrs. Claudine**, Sacramento, Calif.: (Through Cora E. Gillis) GAR uniform hat (214256).

**Parnau, John L.**, Stockton, Calif., and **Goudey, Hatfield**, Reno, Nev.: 5 specimens conchalcite from Arizona (214965).

**Parsons, Harvey F.**, Arlington, Va.: Aboriginal lava figure probably from Nicaragua (211306).

**Patino, Dr. V. M.**, Washington, D. C.: Sample of diatomaceous earth from Colombia (211837).

**Paulian, Dr. Renaud**, Tsimbazaza-Tananarive, Madagascar: 5 African Zoraptera (212865).

**Paulson, Roy A.**, Itasca, Ill.: Parker shotgun (210926)

**Pauly, Hans**, Copenhagen, Denmark (Through Miss Mary Mrose) specimen of bøgildite from Greenland (214914).

**Peabody, Frank E.**, Los Angeles, Calif.: 16 specimens of fossil fishes from various Middle and Upper Miocene horizons in Los Angeles County, Calif., collected by George Brown, 1956 (213844).

**Pechuman, Dr. L. L.**, Lockport, N. Y.: 3 horseflies from India, 18 horseflies from worldwide (214841, 214842, exchange)

**Peck, Mrs. E. Milnor**, Pleasantville, N. Y.: 6 first-day covers, 3-cent "Pronghorn Antelope" (211552, 212201, 213552); first-day cover "Wheatland" commemorative (213307).

**Pecora, Dr. W. T.**, Arlington, Va.: Roentgenite and bastnaesite from Big Sandy Creek, Bearpaw Mountains, Mont. (212056).

**Pecos Minerals**, Roswell, N. Mex.: (Through E. Donald Kaye) 6 murdochite specimens from New Mexico (212039, exchange).

**Peerless Handcuff Co.**, Springfield, Mass.: (Through Clyde Gill) pair gold-

plated handcuffs, pair steel-finish handcuffs, pair bronze thumbcuffs (212907).

**Pelikán, Dr. J.**, Brno, Czechoslovakia: 28 slides of thrips from Czechoslovakia (214637, exchange).

**Pence, Dr. R. J.**, Los Angeles, Calif.: Ant from California (214991).

**Penney, Dr. J. T.** (See South Carolina, University of)

**Pennsylvania Game Commission**, Harrisburg, Pa.: (Through Mr. Roger Latham) black bear from Pennsylvania (214997).

**Pennsylvania Power and Light Co.**, Hazleton, Pa.: (Through J. V. Ferdinand) Becker long-beam balance (212906).

**Pereira, Father Francisco Silverio**, São Paulo, Brazil: 11 beetles, including 10 species, 4 paratypes, from South America (212683).

**Perrygo, Watson M.**, Washington, D. C.: Mounted house wren (211443, exchange); 12 land snails from Northampton County, Va. (212186).

**Persón and Covey**, Glendale, Calif.: Bottle of 100 2-mg. tablets of "Hyperloid," a brand of Rauwolfia Serpentina (212051).

**Petersen, Cornelius**. (See Post Office Department)

**Peterson, Mr. and Mrs. George W. E.**, San Marcos, Calif.: World War I bunting banner (214409).

**Peterson, Mendel L.**, Washington, D. C.: Jamaican post card, U. S. Customs Service inspected baggage stamp (211551); Great Britain overseas registered envelope (211735); 3 philatelic specimens (213457); 4 covers commemorating "Operation Deepfreeze," 1956-7 (215064).

**Petrides, Dr. George A.**, Uganda, East Africa: 2 butterflies from Uganda, East Africa (212672).

**Phelps, Chester F.**, Richmond, Va.: Adult male black bear from Virginia (211297).

**Phelps, Dr. William H.**, Caracas, Venezuela: 10 Venezuelan birds, including types of 8 species (203001, deposit).

**Philip, Dr. C. B.** (See Health, Education, and Welfare, Department of)

**Philippines, Republic of the, Manila:** (Through Hilario C. Antontio) 6 fishes from the Philippines (210800).

**Philippines, University of the, Quezon City, Philippine Islands:** (Through Dr. José Vera Santos) 101 phanerogams from the Philippines (214467)

**Pilsbry, Dr. Henry A.** (See Academy of Natural Sciences of Philadelphia)

**Pittsburgh, University of.** (See Defense, U. S. Department of, *Armed Forces Epidemiological Board*)

**Platnik, Harry, Washington, D. C.:** Male black widow spider (212869).

**Poland, Government of, Warsaw:** (Through ARS Polona Foreign Trade Enterprise) 55 Polish stamps and covers (214908); (through Prasa I. Ksiazka) 25 Polish stamps and first-day covers (211342, 212237).

**Polish Academy of Sciences, Warsaw, Poland:** (Through Dr. Ryszard Bielawski) 4 beetles from Poland (209611, exchange).

**Pollak, Mrs. Virginia Morris, New York, N. Y.:** Blown-glass nursing bottle (214353). (See also Alva Studios, Inc.)

**Polytechnic Institute of Puerto Rico, San German, Puerto Rico:** Phanerogam (211061).

**Ponton, Mrs. Maude S., Delaware, Ohio:** Collapsible silk opera hat, ca. 1900, political campaign medal (212879).

**Pope, John A., Washington, D. C.:** Rigby double-barrel rifle and accessories in carrying case, presented to Gustavis Pope by Kermit Roosevelt in 1922 (211339).

**Popkin, David B.** (See Englewood Stamp Club)

**Post, Dr. R. L.** (See North Dakota Agricultural College)

**Post, Mrs. Marjorie Merriweather, Washington, D. C.:** Cigar store wooden Indian (211180).

**Post Office Department, Washington, D. C.:** 168 specimens of foreign postcards and other stamped paper (210816); (through H. S. Chamberlin)

57 U. S. mint stamps (210958, 212825); (through Greever Allan) 254 foreign stamps, described in Universal Postal Bulletin 10-IV, 1956 (211031); 400 specimens of stamps and postal stationery from foreign countries (212417); 1,307 foreign stamps of the Universal Postal Union (6 bulletins) (214693); (through Cornelius Petersen) 207 foreign postal stamps (211923); (through Everett E. Skeats) 1 "Tin Can Mail" letter container, directed to Post Office, Honolulu (212455); 1 gold coin scale, 1 coin scale by Fairbanks & Co. (214038) (through Thomas F. Proctor) leather mail bag (214049).

**Potter, Jessie L.** (See Raub, Miss Nannie)

**Prasa I. Ksiazka.** (See Poland, Government of)

**Pratt, Theodore, Jr., Fairfax, Va.:** Ptolemaic bronze coin, third century, B. C. (214858).

**Pressey, Miss Julia C., Washington, D. C.:** Victorian quilt (211580).

**Price, Mrs. Maybelle K., Annapolis, Md.:** Pennsylvania-German painted bonnet box, Pennsylvania-German reversible linen and wool coverlet, 3 matron's caps, white satin brocade vest (211606).

**Priori, Huga José, Recife-Pernambuco, Brazil:** 37 mint Brazilian postage stamps (212253).

**Privitera, Dr. Carmelo S.** (See St. Thomas, College of)

**Proctor, Thomas F.** (See Post Office Department)

**Proprietors of the Locks and Canals on Merrimack River, Lowell, Mass.:** (Through Louis D. Waldron) 26 historical relics, water turbines, models, runners, hydraulic instruments, and theodolites of Uriah A. Boyden, James B. Francis, Swain and others (211155).

**Purdue University, Lafayette, Ind.:** 70 phanerogams, 13 grasses, 3 ferns, 1 cryptogam from Alaska (212535).

**Quattlebaum Fund, W. Daniel, Smithsonian Institution:** 15 specimens of American glass (210801, 214359); American glass tumbler (214742).

Queen Mary College, London, England: (Through J. G. Lewis); 5 centipedes from England (214774).

Queensland, University of, *Department of Zoology*, Brisbane, Queensland, Australia: (Through Prof. W. Stephenson) 17 lots of marine invertebrates from Barrier Reef (212473).

Quinby, Elsie Howland, Washington, D. C.: Collection of miscellaneous furniture and accessories, including items of glassware, embroidered pictures, prints, engravings, and musical instruments (214358).

Racine Hydraulics and Machinery, Inc., Racine, Wis.: Automatic power hacksaw, ca. 1906 (214266).

Ramdohr, Prof. Paul. (See Mineralogisch-Petrographisches Institut der Universität)

Ramovš, Dr. Anton. (See Geološko-paleontološki Inštitut, Univerza)

Rand, Dr. A. L. (See Chicago Natural History Museum)

Randall, Dr. John E., Papeete, Tahiti: 35 fishes from Tahiti, 2 Isopods (212109).

Ransom, Arthur K., Freehold, N. J.: Radio receiver (214288).

Rasetti, Dr. Franco, Baltimore, Md.: 270 invertebrate fossils from British Columbia (214837).

Raub, Miss Nannie (deceased): (Through Jessie L. Potter) hickory sword cane inscribed "Major L. Raub" (213827).

Ray, Louis L. (See Interior, U. S. Department of the)

Read, Oliver, New York, N. Y.: Graphophone, coin-operated (212922, exchange).

Rechnitzer, Dr. Andreas B., San Diego, Calif.: Deep-sea fish, holotype, from Eastern Pacific (213597).

Reed, Dr. Clyde F., Baltimore, Md.: 2 sea turtles from Northumberland County, Md. (211496).

Reeves, Ben, Chicago, Ill.: 10 Japanese stamps mounted in "The Airmen's Journal," postcard franked with 2-dollar pictorial (212453).

Regnéll, Dr. Gerhard. (See Lund, University of)

Reilly, Col. John R., Winnetka, Ill.: Light artillery sword and scabbard, pen-and-ink map (213626).

Reinhard, Prof. H. J., College Station, Tex.: 9 flies from United States, including types (215049, exchange). (See also Dreisbach, R. R.)

Reish, Dr. Ronald J., Los Angeles, Calif.: 16 holothurians, anemones collected at Bikini Atoll, 1956 (213498).

Reitz, Rev. Pe. Raulino (See Herbario "Barbosa Rodrigues")

Reno, John (See Pacific Lumber Co.)

Reyment, Dr. Richard A. (See Stockholm, University of)

Ricci, Alfeo, Provincia di Livorno, Italy: 16 crystals of pyrite from Rio Marina mine, Provincia di Livorno, Island of Elba, Italy (212995).

Rice, Prof. Nolan E., Richmond, Va.: Devonian glass sponge from Elkins, W. Va. (211337).

Rice, Mrs. R. R., Rockport, Tex.: 21 marine mollusks from Rockport, Tex. (203925).

Rich, Mrs. W. R., Washington, D. C.: Children's and baby clothes worn by three generations of Clark family, Utica, N. Y., 19th century (211732).

Richards, Charles S. (See Health, Education, and Welfare, Department of)

Richards, Elizabeth E. (See Devan, Mrs. Samuel Arthur)

Richardson, Mrs. (See National Museum of Victoria)

Riggs, Lowry, Rockville, Md.: 2 citron-breasted toucans (214343).

Riherd, Dr. Paul T., Mercedes, Tex.: 4 moths (212863).

Rijksherbarium, Leiden, Netherlands: 301 phanerogams, 20 grasses, 32 ferns collected in Kenya, Africa, by R. A. Maas Geesteranus (211151, exchange); 34 phanerogams, 2 grasses, 4 ferns from Malay Archipelago (212691, exchange).

Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands: (Through Dr. A. Diakonoff) 2 moths from Java (212140, exchange).

Ring, Bernard, Brooklyn, N. Y.: 3 cachetted envelopes for American First-

Day Cover Society convention, 1956 (213303).

**Rixse, Miss Cornelia Ann.** (See Rixse, Steven Eric)

**Rixse, Spencer B.** (See Rixse, Steven Eric)

**Rixse, Steven Eric, and Rixse, Miss Cornelia Ann,** Arlington, Va. (Through Spencer B. Rixse) typewriter, Harris No. 4, ca. 1914 (211302).

**Robas, John S.,** Fernandina Beach, Fla.: 4 fishes from Yucatán coast of Mexico (213993).

**Roberts, Mrs. Alfred,** Baltimore, Md.: Mantel, andirons, and 3 sets of curtains and portiers from the home of Mrs. James B. Dickson, New York City (211345); Louis XV overmantel with matching decoration, 2 etchings "La Bella" by Titian, and "Marie Louise" after Van Dyke, red wool chenille rug (213077); rockers, portier, Irish point lace, bobbinet curtains, Cluny and Point de Venice lace, and antique oriental rug (214039).

**Roberts, W. L.,** Rapid City, S. Dak.: Hinsdalite with enargite from Butte, Mont. (213985, exchange).

**Robertson, Robert,** Philadelphia, Pa.: Approximately 35 fresh-water mollusks, topotypes, from California (210944).

**Robins, Dr. C. Richard.** (See Miami, University of)

**Robinson, George,** Falls Church, Va.: 2 fishes from Virginia (214222).

**Robinson, Mrs. Reuel V.,** San Francisco, Calif.: Bridal jacket, tailored and embroidered, from Miao people, Sanho, Kweichow Province, China, collected by donor's husband, Cmdr. R. V. Robinson, 1944 (213824).

**Robyns, Dr. W.** (See Jardin Botanique de l'État)

**Roebling Fund, Smithsonian Institution:** 1 specimen each of dumontite crystals, massive dewindtite, dewindtite-torbernite in rock, massive soddyite and massive curite, soddyite crystals, kasolite crystals and dewindtite crystals, massive soddyite and soddyite crystals, from Shinkolobwe, Belgian Congo, 1 pure massive vandenbrandeite from Kalongwe, Belgian Congo

(209977); 3 uraninites from Keystone, S. Dak. (210584); 1 specimen of reomerite and 1 specimen of copiapite crystals from Utah, 1 absite from South Australia, 1 stillwellite from Queensland, 1 specimen of zeunerite crystals from Australia, 1 toconalite from Broken Hill, Australia (211570); 1 hawleyite from Canada, 1 hydroboracite from Turkey, 3 isokites from Northern Rhodesia, 1 vayrynenite from Finland (211571); 2 ludlamites from Blackbird mine, Cobalt, Idaho (211710); 1 chabazite with thompsonite, 1 thompsonite with stilbite, 1 chabazite var. phacolite, from Goble, Oreg., 1 epistilbite from Summit, N. J., 1 heulandite, 1 stilbite from Paterson, N. J., 1 hedenbergite, 1 ilvaite from South Mountain, Idaho, 1 epidote from Poison Creek, Calif., 3 fluorites from Findlay, Ohio (211711); 1 aurostilbite from Czechoslovakia, 1 meyerhofferite from Turkey (211712); 1 lavendulan from Tunisia (211890); 1 stillwellite from Mount Isa, Australia, 2 specimens of wardite in crystals from Carinthia (212663); 1 specimen of sengierite on and in chalcocite from Bisbee, Ariz. (212665); 1 hambergite from Little Three mine, Ramona, San Diego County, Calif., assortment of 37 crystals of tourmaline from Esmeralda mine, Mesa Grande, San Diego County, Calif. (212776); 1 specimen of chalcopyrite, sphalerite, etc. from Ground Hog mine, Vanadium, N. Mex. (212890); 1 platinum nugget (212893); 2 specimens of laueite, paralaueite and strunzite from Hagendorf, Bavaria, Germany (213287); 1 kettnerite from North West Bohemia, Czechoslovakia (213289) 12 mineral specimens from various localities (213618); 1 platinum-iridium nugget, 3 platinum-iridium grains, from British Columbia (213619); 1 specimen of schoepite, soddyite, and curite crystals on massive soddyite-curite; 1 specimen of uraninite with crust of soddyite, schoepite and curite, from Shinkolobwe, Belgian Congo (214017); 25 radioactive specimens from Wiseman mine, Spruce Pine, N. C. (214456); 1 staunite from

Tasmania, 1 chalcophanite from Mexico (214839); 1 specimen of botryoidal pitchblende from Colorado (214968).

**Roehrs Co., Julius**, Rutherford, N. J.: (Through A. B. Graf) 3 cultivated ferns, 1 cultivated plant (211131, 213729, 214472).

**Roger, Dr. J.**, Paris, France: 2 rare brachiopods of the Devonian, from Morocco (213124, exchange).

**Ronan, Mrs. Mary E.**, Antigonish, Nova Scotia, Canada: Photograph of a delegation of 6 Bitter Root Flathead Indians (Nez Percés) with U. S. Indian Agent Peter Ronan, Washington, Jan. 1884 (211634).

**Rood, Almon N.**, Phalanx, Ohio: 95 phanerogams from California collected by C. V. Morton, 1926-27 (214465).

**Roosevelt, Mrs. Archibald**, New York, N. Y.: Carved ivory handle parasol and a carved ivory and lace fan owned by Mrs. Theodore Roosevelt (210968).

**Roosevelt, Mrs. Kermit**, New York, N. Y.: Don Quixote tapestry, 18th century (212896).

**Root, Mr. and Mrs. Albert J.**, Stoughton, Wis.: Razor with hand-made horn handle, crocheted shawl, made by ancestors of Mrs. Root (213661).

**Rosenkrantz, Dr. Alfred**. (See Copenhagen, University of)

**Ross, Mrs. Helen M.**, Millburn, N. J.: 25 first-day covers (211742, 213090, 215027).

**Rosso, Samuel W.**, Hattiesburg, Miss.: Approximately 2,900 specimens of marine, fresh-water, and land mollusks, 22 corals, 280 marine invertebrates, insects, reptiles, fishes and algae, from Australia, collected by donor (209177); (Through Dr. David Causey) 15 specimens of copepods, also trematodes (211047).

**Roth, Dr. Vincent D.** (See Agriculture, U. S. Department of)

**Rothblum, Morris C.**, Camden, N. J.: Brochure and program of ceremonies for first-day sale of 3-cent Labor Day stamp (212192).

**Rountrey, W. F.**, Norfolk, Va.: 1 Say's phoebe from Virginia (213595).

**Rousch, Lt. Col. Ulric C.**, Athens, Ohio: Pair of officer's riding breeches and pair of field boots with spurs, boot-jacks, straps and chain (213828).

**Rowley, Elmer B.**, Glens Falls, N. Y.: Epidote from Glens Falls, N. Y.: (213369).

**Royal Botanic Garden**, Kew, Surrey, England: 90 phanerogams, 168 ferns, 1 cryptogam, mostly from Africa (212306, 214379, exchange); 229 phanerogams from Malaysia (213603, exchange); 32 miscellaneous phanerogams (214468, exchange).

**Royal Botanic Garden**, Edinburgh, Scotland: 228 phanerogams, 4 grasses, from Asia Minor and Greece, collected by E. K. Balls (214244, exchange).

**Rozen, J. G.**, Washington, D. C.: 3 centipedes and 3 millipedes from Prince George's County, Md. (214971).

**Rude, Captain Gilbert T.**, USCGS (ret.), Washington, D. C.: Original form of Rude Star Finder invented in 1921 by donor (214892).

**Ruebush, Comdr. Trenton K.** (See Defense, U. S. Department of, Department of the Navy)

**Rumbel, O. K.**, Mission, Tex.: 20 air-mail stamps (211547) (See also American Legion)

**Rumpp, Norman L.**, China Lake, Calif.: 30 American tiger beetles, including 4 paratypes (214019).

**Rush, Mr. and Mrs. Alfred A.**, Delray Beach, Fla.: Red bandanna political campaign handkerchief, 1912, with design of Progressive Party candidate Theodore Roosevelt (211347).

**Russell, Dr. L. S.**, Ottawa, Canada: 3 mollusks, holotypes, from Wyoming (213612).

**Russell, Robert**, Hydro, Okla.: Bottle "Godfrey's Cordial" (215012).

**Rutgers University**, New Brunswick, N. J.: 42 algae and mosses from Onotoa, Gilbert Islands, collected by Prof. Edwin T. Moul (211911).

**Ryan, Edward Parsons** (See Hawaii, University of)

**Ryukyu Islands, Government of the**, Department of Public Services, Naha,



Okinawa: (Through Yoshio Asato) 4 postcards, 4 stamps, and envelope franked with "dancer" and "bridge" stamps (213690).

Ryukyus, University of the, Okinawa, Ryukyu Islands: 12 phanerogams, 5 grasses from Ryukyu Islands (213758).

Sabrosky, Dr. Curtis W., Washington, D. C.: Marine mollusk with encrusting mollusks from Martha's Vineyard, Mass. (212185).

Safarid, R. R., Jackson Heights, N. Y.: 126 specimens U. S. World War I philatelic material (214896).

Said, Dr. Rushdi, Meadi, Egypt: Approximately 400 type specimens of Foraminifera from the Jurassic and Cretaceous of Egypt (211726).

Sailer, Dr. Reece I. (See Meurer, J. J.)

St. Thomas, College of, St. Paul, Minn.: (Through Dr. Carmelo S. Privitera) 7 centipedes (215050).

Saitama University, Urawa, Japan: (Through Dr. Riuji Endo) 894 specimens of invertebrate fossils from the Carboniferous, Permian, Tertiary, and Quaternary of Japan (211670, exchange).

Salter, William E., Washington, D. C.: 75 marine mollusks from Plum Point, Md. (211293).

Sanders, Howard L., Woods Hole, Mass.: 2 specimens of cephalocaridan crustaceans collected from Buzzard's Bay, Mass., 1955 (211048).

Santa Rosa Junior College, Santa Rosa, Calif.: 31 plants from western United States, collected by Dr. Milo S. Baker (213762).

Santos, Dr. José Vera. (See Philipines, University of the)

Sarycheva, Prof. Dr. T. (See Academy of Sciences of U. S. S. R.)

Saskatchewan Museum of Natural History, Regina, Saskatchewan, Canada: (Through Robert W. Nero) 5 lizards, 12 insects from Cairo, Egypt (213864).

Sater, Edna N. (See Interior, U. S. Department of the)

Satterlee, Mrs. Nicholas, Washington, D. C.: Late 18th-century patch-

work quilt, with English commemorative Toile (211584).

Saunders, Dr. L. G.: Saskatoon, Canada: 122 flies (214936).

Saunders, Mrs. T. Laurance, Cincinnati, Ohio: Fossil walrus skull from Parramore Island, Va., collected by Virginia Ornithological Society on property of donor (212662).

Sayre, Honorable Francis B., Washington, D. C.: Fragment of anorthoclase feldspar from summit of Erebus in Antarctica, from effects of Capt. Scott, leader of British expedition to South Pole, 1911, and presented to donor and Mrs. Sayre by Lady Scott (214453).

Scarlett, Ron. J., Christchurch, New Zealand: 3 bird skeletons (213439).

Scattergood, George M., Lancaster, Pa.: "The Glass-blower's List of Prices of Druggist's Ware for the Year 1848/49." (214438).

Schell, Dr. Stewart C. (See Idaho, University of)

Scherbacher, Marcus W. (See Korean Chindan Society)

Schmidt, Mr. and Mrs. David, Saron, Wis.: 83 brackish-water and marine clams from the Gulf Coast of Florida (209344); 17 sand cases of flies from Florida (214370).

Schmitt, Dr. Waldo L., Washington, D. C.: Chinchilla found in Takoma Park, Md. (214910). (See also Finlay, John)

Schnautz, Dr. John O., Tegucigalpa, Honduras: 20 fresh-water snails from Honduras (214108).

Schneider, Rudolf, Washington, D. C.: Adding machine, Webb "adder" (211156).

Schneirla, Dr. T. C., New York, N. Y.: 20 ants from South America (212470). (See also American Museum of Natural History)

Schoechele, George L. (See Mahadevan, Prof.)

Scholl, Robert H. (See Esso Standard Oil Co.)

Schroeder, William C., Cambridge, Mass.: 1 lobster (214333). (See also Harvard University)

**Schubert, Dale**, Washington, D. C.: Table model radio receiver (214609).

**Schulman, Dr. Emanuel, and Arpad, Michael**, Alexandria, Va.: Gothic style chandelier (214035).

**Schultz, Dr. Leonard P.** (See Hall, Thomas R.)

**Schwaab, Mrs. Robert S.**, Lexington, Mass.: 18 specimens of Dutch, Spanish, and Chinese ceramics (213275). (See also Miller, Gerrit S., Jr.)

**Schwartz, Dr. Frank J.** (See West Virginia University)

**Scott, Frederick R.**, Richmond, Va.: 8 birds from Virginia (214756).

**Scott, Dr. Harold W.** (See Illinois, University of)

**Scott, Mrs. Thomas M.**, Roanoke, Va.: Powder horns, pruning knife, pistol, and cane, owned by donor's late grandfather (214387).

**Scripps Institution of Oceanography**, La Jolla, Calif.: (Through Dr. Martin W. Johnson) approximately 168 amphipods from the 1951 cruise of the USS *Burton Island* (205959); (through Conrad Limbaugh) 10 specimens of gorgonians (208678); (through Robert H. Parker) 2 hydroids, 8 gorgonians, 1 bryozoan (212090); (through Leo D. Berner) 8 type specimens of tunicates, including 3 syntypes, holotype, 4 paratypes (212386); (through Leo D. Berner and Takashi Tokioka) approximately 39 specimens of tunicates from Shellback Expedition, Equatorial Pacific (213325).

**Scudder, G. G. E.**, Oxford, England: 4 true bugs of 3 species including a paratype from India (215051, exchange).

**Sea Fisheries Research Station**, Haifa, Israel: (Through Dr. Adam Ben-Tuvia) 79 fishes, mullets, and goatfishes from Mediterranean coast (211624, exchange).

**Seaman, G. A.**, Christiansted, St. Croix, V. I.: 19 anostracans, 150 amphipods, 1 worm snake, 5 lizards, about 11 millepedes (211951).

**Seeliger, Dr. F.** (See Mineralogisches Institut der Universität Heidelberg)

**Semple, Mrs. Caroline I.**, Washington, D. C.: 8 items of crochet work, needlepoint, and bobbin-made laces, long in possession of donor's family (211598).

**Setzer, Dr. Henry W.**, Washington, D. C. and **Miller, Dr. Norman M.**, Takoma Park, Md.: 8 small mammals from Maryland (214995).

**Severance Tool Industries, Inc.**, Saginaw, Mich.: 4 rotary files in various stages of conversion to Midget Mill tools, 4 Severance Midget Mill files (212905).

**Shalkop, Dr. R. L.** (See Everhart Museum)

**Sharp, Frances**, Warsaw, Ind.: (Through Cora E. Gillis) GAR gold badge which was presented to donor's father in 1945 (214257).

**Shaw, Dr. Frank**, Amherst, Mass.: 6 slides of flies from Mount Desert, Maine (213069).

**Shewell, G. E.** (See Canada, Government of)

**Shiraki, Dr. Tokuchi**, Tokyo, Japan: 157 fruit flies from the Ryukyu Islands, Japan (211705).

**Shoemaker, Ernest**, Brooklyn, N. Y.: 49,688 beetles, 9,775 butterflies and moths from North and South America (214363).

**Shriner, Dr. John F.**, Mobile, Ala.: Douglass stethoscope chest piece, inscribed "Haslam" (213042).

**Simmons, Ernest G.** (See Game and Fish Commission)

**Simmons, Frank E.**, Oglesby, Tex.: 150 land snails from Texas (213664).

**Simmons, Dr. S. W.** (See Health, Education, and Welfare, Department of)

**Simon, Dr. J. E.** (See Estación Experimental Agrícola de La Molina)

**Sims, Mrs. W. Jeffrey**, Takoma Park, Md.: Child's dress, ca. 1880, worn by Mrs. Sarah Bradford Peterson, Watertown, N. Y. (211344).

**Sinkankas, Capt. John**, Coronado, Calif.: Morganite crystal from Tourmaline Queen mine, Pala, San Diego County, Calif., orange-colored beryl from Minas Gerais, Brazil (211507, exchange); monazite with tourmaline and

albite from Spaulding mine, Little Three Claim, Ramona, Calif. (212057); cut tourmaline from Tourmaline Queen mine, Pala, specimen of muscovite, quartz, and microcline from Esmeralda mine, San Diego County, Calif. (213232, exchange).

**Skeats, Everett E.** (See Post Office Department)

**Smedley, Willard H.**, West Chester, Pa.: Set of false teeth carved from ivory and attached by coiled spring (213043).

**Smit, F. G. A. M.** (See Great Britain, Government of, and Zoological Museum)

**Smith, Mrs. Ethel**, Port Arthur, Tex.: Approximately 600 specimens of land, fresh-water, and marine shells from Texas (212612, exchange).

**Smith, Godfrey L.**, Hampton, Va.: Earbone of a Phocaenid porpoise from Yorktown formation in Virginia (213628).

**Smith, Dr. Hobart M.** (See Illinois, University of)

**Smith, Prof. Laurence L.** (See South Carolina, University of)

**Smith, Merlin**, Matamoros, México: 1 violin, 2 bows, 1 case (214741).

**Smith, Sarah A. G.**, Philadelphia, Pa.: 1 Daniel B. Smith letterbook (1840-1849) presented through the courtesy of the children of Edward Wanton Smith (213469).

**Smithers, C. N.**, Causeway, Southern Rhodesia: 1 South African psocid (214771).

**Smithsonian Institution**, Washington, D. C.: (See also following funds: Abbott, Bredin, Canfield, Chamberlain, Hillyer, Quattlebaum, Roebling, Walcott.) Samson No. 2 wet cell (212169, deposit); Hammond type vari-typer, with justifying mechanism (212172); charcoal burning sad iron (214740, deposit); 6 envelopes from Great Britain, Romania, Russia, São Paulo, and Pearl Harbor, T. H., and 1 U. S. Cover showing certified mail franking (215020, deposit). *Found in Collections*: 3 specimens of the Smithonia meteorite, from Oglethorpe County, Ga. (161773); spec-

imen of meteorite from Altonah, Utah (122698); specimen of meteorite from Cherokee Springs, S. C. (125331); 1 Crookes double radiometer, 1 circular mirror on stand (211300); Blunt telescope, ca. 1830 (211899); meteorite from Lance, Loire-et-Cher, France (212667); 30 specimens of meteorites from various localities (212671); specimen of meteorite, 156 grams, shavings, 17½ grams, from Chico Mountain, Brewster County, Tex. (212813); 3 General Electric lamps, 1 Edison lamp replica, 1879 (212908); meteorite from Signal Mountain, Lower California, Mexico (213286); Columbia telephone, with transmitter and receiver (213298); 4 specimens of meteorites from Adrian, Tex. (214347); 2 specimens of meteorite from Channing, Tex. (214351); knife made from meteorite from Casas Grandes de Malintzin, Chihuahua, México (214352); 21 individuals of meteorites of Mocs, Cluj, and Transylvania (214462); (through William Sontag) early grinding-wheel mount, ca. 1885 (214385). *Made in Laboratories*: 278 photos of plants (214848); model of Columbian steam engine, model of Watt steam engine in Philadelphia waterworks (212374); model of Hussey reaper, 1833 (212910); 1 model Savery steam engine, 3 models gas engines, 1 model water turbine, 2 models steam engines (214268); replica of original model "Lister Carbolic Acid Steam Spray," which is in the Wellcome Historical Medical Museum, London, England (215011). *Astrophysical Observatory*: Miscellaneous physical instruments for electrical measurement, photometry, meteorology and astrophysics (211531); governor, variable speed, invented by Dr. Charles G. Abbot, Patent No. 2367254 (211900); Henry Troemner analytical balance, ca. 1890 (212170); mercury barometer marked "Henry J. Green, New York" (212900); Doberiner's hydropneumatic igniter, gas meter, Crookes radiometer, Dines portable No. 84 anemometer, acoustic apparatus, polarized light demonstration apparatus, Soleil saccharimeter, J. Duboscq

saccharimeter, Bunsen photometer, acoustic instrument, Helmholtz resonator (212903); mercury barometer marked "I Newman, 122 Regent St., London" (212909); 22 specimens of electrical measuring devices (213039). *Bureau of American Ethnology*: 3 cedar bark mats from Nootka Indians, British Columbia, Canada (214119); 27 miscellaneous archeological specimens from Tennessee and Illinois collected by J. W. Emmert and G. Fowke before 1894 (214961); (through Dr. M. W. Stirling) 15 land snails from Ecuador and 33 ethnological specimens from Ecuador and Florida (205014); John W. Powell catalog of Indian collections deposited in the Smithsonian Institution and supplement to catalog (205360); 13 specimens associated with Zuni Indian religious cult practices (207445). *River Basin Surveys*: (Through Dr. Robert L. Stephenson) 2 fresh-water mussels from Iowa (212741). *Collected by Missouri Basin Project*: Archeological material from 4 Nebraska Counties, 1955 (211157); archeological material from 2 sites in Oahe Reservoir, Stanley County, S. Dak., and human skeletal material, 1955 (211158); archeological material from Rock Village, Mercer County, N. Dak., 1950-52 (213526); 9 specimens of archeological material from Pembina River Reservoir, N. Dak., 1948 (213765); 1,332 specimens of archeological material from Fort Randall area, Gregory and Lyman Counties, S. Dak., 1950-52 (214037); archeological material from Garrison Reservoir, McLean County, N. Dak., 1952 (214234); archeological material from Fort Randall Reservoir, Lyman County, S. Dak., 1950 (214612). *Canal Zone Biological Area*: (Through Dr. Carl B. Koford) 35-mm motion picture camera, Nesbit high-speed camera (212503); 93 mammals from Panama and the Canal Zone (214833). *Freer Gallery of Art*: (Through H. J. Gettens) 9 specimens of chalconatronite, an alteration product of some ancient Egyptian bronzes (211833). *U. S. National Museum*: 247 fossil fish from

various Lower and Middle Devonian localities in Caithness, Rosshire, Forfarshire, and Lanarkshire, Scotland, collected by David H. Dunkle, 1956 (213611); 380 fossil specimens from Upper Devonian Escuminac formation near Maguasha West, Province of Quebec, including fishes of the cephalaspid, placoderm, actinopterygian, dipnoan, and crossopterygian groups, and plants; 33 fossil cephalaspid and placoderm fishes from the Lower Devonian at Campbellton, New Brunswick, 140 fossil ray-finned fishes from the Mississippian Albert formation near Hillsborough, New Brunswick, collected by David H. Dunkle and Euclide Plourde, 1956 (211709); 1,225 phanerogams, 105 grasses, 68 ferns, 42 cryptogams from Isle of Pines, Cuba, collected by E. P. Killip (211912); 54 phanerogams, 1 grass, 10 cryptogams from Florida and Texas, collected by E. P. Killip (211913); approximately 9,000 mollusks, amphibians, fishes, marine invertebrates, and insects, from California, Lower California, Nevada, and Missouri, collected by Dr. Joseph P. E. Morrison, 1956 (211888); 4,927 specimens of plants collected in Cuba, by C. V. Morton, 1956 (208736); 817 bird skins, 16 bird skeletons; 3 nests and 5 sets of eggs of birds, 2 mammals, 1 insect, collected in Panama by Dr. A. Wetmore (214755). *Purchased*: Diesel engine, N. A. N., 1903 (211077); 276 small moths from Nova Teutonia, Brazil (211859); 3 mutoscope motion picture viewers (212173); meteorite from Limerick, Adare, Ireland, meteorite from Misshof, Courland, Russia (212450); astronomical clock of French origin, ca. 1880 (212836); 15 mammals, 1 snake from Colombia (212861); 396 phanerogams, 97 grasses, 6 ferns, 1 cryptogam from Brazil (213095); Pennsylvania paneled room with component parts (213300); 6 Prang Civil War lithographs (213555); 81 specimens of placoderm and choanate fishes of the fresh-water Upper Devonian Escuminac formation from Quebec (214241); 65 Malayan ferns (214473); Huygens me-

dallion plaster cast of portrait relief in marble made in 1679 (214555); exhibit illustrating color woodcut "piazza San Marco, Venice" by Irving Amen (214686); color woodcut, "Te Po," by Paul Gauguin (215071); etching "Drouet," by James M. Whistler, and drypoint, "Canal and Bridge of SS Apostoli, Venice," by Muirhead Bone (215072); etching "The Sculptor," by Pablo Picasso and lithograph "Odalisque," by Henri Matisse (215073); metal print by Rolf Nesch, "Moon Bathers" (215074); woodcut, hand colored about 1470 "St. Catherine with the Wheel" (215075); 3 color lithographs, 2 aquatints, 1 page with two woodcut illustrations (215058); exhibit illustrating the making of a woodcut; 1 drawing, 1 wood block, and final print (215059); *National Zoological Park*: 17 mammals (215043); (through Dr. T. H. Reed) 47 birds (214963).

**Sobelson, Milton D.**, Maplewood, N. J.: Hammond folding multiplex typewriter (213958).

**Sociedad de Ciencias Naturales La Salle**, Caracas, Venezuela: (Through Dr. Carlos Díaz Ungría) 7 cymothoid isopods from Venezuela (210577).

**Sohn, Dr. I. G.** (See Interior, U. S. Department of the)

**Solecki, Dr. Ralph.** (See Bordes, Dr. François)

**Solem, Dr. G. Alan.** (See Miller, Cmdr. Walter B., and Michigan, University of)

**Sommerman, Dr. Kathryn M.** (See Health, Education, and Welfare, U. S. Department of)

**Sondhi, Dr. V. P.** (See India, Government of)

**Songandares-Bernal, Dr. Franklin**, Lincoln, Nebr.: 45 copepods, 1 barnacle, 5 isopods with 14 parasitic barnacles, 12 amphipods, 5 shrimps (212536).

**Sontag, William.** (See Smithsonian Institution)

**Soper, Ellis Clarke**, Franklin, N. C.: 1 ammonite of the Cretaceous, 1 pycnodontoid fish from Colombia (213235).

**Soper, F. L.** (See World Health Organization)

**Souders, Mrs. Mott**, Piedmont, Calif.: Steel engraving, "Washington's Last Interview with his Mother" (213682).

**Soukup, Dr. J.**, Magdalena del Mar, Lima, Peru: 124 phanerogams, 1 grass, 12 ferns, 2 cryptogams, from Peru (211587, 212919).

**South African Institute for Medical Research**, The, Johannesburg, South Africa: (Through Dr. F. Zumpt) 18 lice from South Africa (214770).

**South Carolina, University of**, Columbia, S. C.: (Through Dr. J. T. Penney) 22 sponges, including holotype, from Weeks Pond, Sumter County, S. C. (211279); (through Prof. Laurence L. Smith) holmquistite from Foote Company Quarry, Kings Mountain, S. C. (212889, exchange).

**South Dakota State College**, College Station, S. Dak.: (Through Dr. Marvin O. Allum) 400 arguloids (211830).

**Southard, Ernest B.** (See Southard of Bangor)

**Southard of Bangor**, Bangor, Maine: (Through Ernest B. Southard) Yost typewriter (212904).

**Southern California, University of**, Los Angeles, Calif., *Allan Hancock Foundation*: (Through Dr. N. T. Mattox) conchostracans, including holotype, 6 paratypes (212356).

**Spanton, H. G.**, Buenos Aires, Argentina: 1 mint Argentine stamp, 1 first-day cover (211745); 15 Argentine stamps and first-day covers (212194, 213309).

**Sperry, Dr. Omer E.** (See Agricultural and Mechanical College of Texas)

**Spicer, Vernona A.**, Flushing, N. Y.: Medal of Honor awarded by Congress to Captain Noble D. Preston in 1864 (214871).

**Spiegel, Peter**, Gierath, Germany: 100 brachiopods and gastropods from Middle Devonian of Germany (214460).

**Spilman, T. J.**, Washington, D. C.: 19 centipedes, 20 millipedes, 2 spiders (212870).

**Spottswood, Mrs. H. Nelson.** (See Spottswood, Mrs. Margaret Judge)

**Spottswood, Mrs. Margaret Judge** (deceased): (Through Mrs. H. Nelson

Spottswood) dresser with mirror, late 19th century (211308).

**Springer, Victor G.** (See California, University of)

**Stallion, Coy.** (See Hall, Thomas R.)

**Stanford University, Stanford, Calif.:** (Through Dr. Robert R. Harry) 25 fishes from tropical western Pacific (209431, exchange); (through Daniel M. Cohen) fish, holotype, from Pacific Ocean (211954, exchange).

**Stanley, Edward A., University Park, Pa.:** 12 type specimens of conodonts from the Devonian of Mississippi (214461).

**Stanley, Maj. D. M., Pirbright, Surrey, England:** Academic gown and hat presented to Sir Henry M. Stanley, G. C. B., when he was given honorary degree of Doctor of Law at Cambridge University (209147).

**Stannard, Dr. Lewis J., Urbana, Ill.:** 3 North American thrips, 1 paratype (209638); 1 female thrip from Illinois (212864). (See also Illinois Natural History Survey Division.)

**State, U. S. Department of, Washington, D. C.** (Through Charles L. Jones) 49 fishes from Liberia (211870). (See also Leslie, Alexander)

**Stearns, Dr. Harold T., Hope, Idaho:** 7 fossil fishes, 1 insect, from either an Upper Oligocene or Lower Miocene horizon at the Brownlee Dam site, Robinette, Oregon (210953).

**Steffen, Mr. and Mrs. Elmer, Elkhorn, Wis.:** Green poplin dress trimmed with black silk, consisting of bodice, skirt, and overskirt of bustle type, ca. 1875 (212310).

**Steger, Dan, Tampa, Fla.:** 11 marine mollusks, including 3 paratypes and 2 topotypes of new species, from Western Atlantic (213118).

**Steinberg, Miss Joan, Sydney, Australia:** 3 mollusks from Port Jackson, New South Wales, Australia (211065).

**Steinman, E. D., Lancaster, Pa.:** Engraving of Gideon Welles, Secretary of the Navy in Abraham Lincoln's administration, with gilt frame (211774).

**Stephenson, Dr. Lloyd W., Dover, Ohio:** Palmwood bow stave and 3

arrows obtained from Yasa Indians, mountain country bordering Colombia, District of Perija, State of Zulia, Venezuela, 1924 (211307).

**Stephenson, Dr. Robert L.** (See Smithsonian Institution)

**Stephenson, Prof. W.** (See Queensland, University of)

**Stick, Frank, Kitty Hawk, N. C.:** (Through Dr. Giles Mead) fish from North Carolina (212818).

**Stickley, John L.** (See Lions International)

**Stickney, Alden P.** (See Interior, U. S. Department of the)

**Stingley, Dale V., Donners Grove, Ill.:** 2 mollusks from Guaymas, Mexico (213838).

**Stirling, Dr. M. W.** (See Smithsonian Institution)

**Stockholm, University of, Stockholm, Sweden:** (Through Dr. Richard A. Reymont) 34 brachiopods of the Cretaceous from Sweden (213444, exchange).

**Stork, Prof. Harvey E., Berkeley, Calif.:** 1 phanerogam, 97 ferns from Costa Rica (213955).

**Stowell, Miss Edith, Chevy Chase, Md.:** 62 specimens of Argentine Republic postal stationery (212200).

**Strasburg, Dr. Donald W.** (See Interior, U. S. Department of the)

**Straub, Paul A., Summit, N. J.:** 29 specimens of German and Russian gold and silver coins (211729, 212334); book by John S. Davenport, "Multiple Talers," 2 Liechtenstein coins (213553); gold 100-Franken piece struck in 1952 by Franz Joseph II of Liechtenstein (214860); 2 artistic plaques showing likeness of donor (214870).

**Straus, Aaron, Baltimore, Md.:** 173 antique and modern European, American, and Chinese glass paperweights, to be known as the "Collection of Lillie and Aaron Straus of Baltimore, Md." (211475).

**Strelak, Joseph B., Waukegan, Ill.:** 8 United States and foreign covers (211739); 3 first-day wrappers (212199); 15 first-day wrappers with stamps (213302); 13 first-day covers (215067).

**Stromberg-Carlson Company, Rochester, N. Y.:** (Through Frederic W. Haupt) telephone equipment for telephone exhibit (215008).

**Summerall, Col. Charles P., Jr., Belmont, Mass.:** Full-dress Army uniform, designed and worn by donor's father, with sword, flags, and diplomas (213710).

**Sund, Paul N., Seattle, Wash.:** 4 anemones collected in San Juan Channel, Friday Harbor, Wash., 1956 (211948).

**Sutcliffe, Dr. W. H., Jr.** (See Bermuda Biological Station)

**Sutherland, D. J.** (See Massachusetts, University of)

**Sutton, Dr. George M.** (See Oklahoma, University of)

**Swan, Dr. Emery F., Durham, N. H.:** 7 brittle stars (209250).

**Swedish Museum of Natural History, Stockholm, Sweden:** (Through Dr. Tor Ørvig) 27 casts of type anaspid and cephalaspid ostracoderms from Lower Devonian of Norway and Spitsbergen, and various arthrodiran fishes from the Lower Devonian of Podolia and Scotland (213609, exchange).

**Swoboda, Edward, Los Angeles, Calif.:** 32 tumbled gems (214966).

**Tagawa, Prof. M.** (See Kyoto University)

**Tattersall, Dr. Olive S., Hayling Island, Hants, England:** (Through Dr. Isabella Gordon) approximately 160 mysids (209900).

**Taylor, George F., Grosse Pointe Woods, Mich.:** Original letter by Mme. Marie Curie, dated June 5, 1919 (212358).

**Taylor, John M., Villa Nova, Pa.:** (Through Col. Charles S. Hamilton) 4-volume collection of Colombia and Colombian states postage stamps (213078).

**Taylor, Dr. William Ralph, Washington, D. C.:** 16,821 fishes, mostly freshwater, from southern United States (212998). (See also Michigan, University of)

**Tee-Pak, Inc., Chicago, Ill.:** 6 specimens of 19th-century meatpacking equipment (213816).

**Tenery, Lt. Col. John H., Fort Sam Houston, Tex.:** 2 echinoids from Texas, 3 echinoid spines from the Cretaceous of Texas (214750).

**Tennessee, University of, Knoxville, Tenn.:** (Through Dr. A. C. Cole) 12 ants, paratype workers, from Texas, 10 ants, paratype workers, from Arizona (212440); 10 ants from Texas (214765).

**Terres, John K., New York, N. Y.:** Wasp from New York (214365).

**Texas, State of, Department of Health, Austin:** (Through Dr. Richard E. Eads) slug caterpillar, 3 cockroaches from Texas (211546).

**Texas, University of, Austin, Tex.:** (Through Dr. John T. Lonsdale) 3 fossil fish and phytosaur specimens from Texas (209910, exchange); (through Dr. Clark Hubbs) 7 fishes, paratypes, from Clear Creek, Tex. (211533); (through James Kenneth Baker) 13 isopods from Texas caves (213391). *Institute of Marine Science:* (Through Dr. Henry Hildebrand) approximately 49 sea anemones, 174 crustaceans (211881).

**Texas Research Foundation, Renner, Tex.:** 195 phanerogams, 37 grasses, 5 ferns of the United States (211585, exchange).

**Texas Technological College, Lubbock, Texas:** (Through Ted Tibbetts) 4 slides of mites (215057).

**Thomas, Mrs. Agnes E., Hyattsville, Md.:** United States flag, 1877-1890 (214391).

**Thomas, Dr. G. A.** (See Melbourne, University of)

**Thurman, Mrs. Ernestine, Bethesda, Md.:** 51 miscellaneous insects, spiders, and a scorpion from Thailand, and 1 reptile (214872).

**Thurow, Dr. Gordon, Braddock Heights, Md.:** Land snail from Roanoke County, Va. (212182); 3 salamanders, types, from Virginia, collected by donor (214339).

**Thurston, Miss Mabel Nelson, Washington, D. C.:** Demorest "Fairly" sewing machine (211581).

**Tibado, Clarence J., Lake Wales, Fla.:** (Through John E. Graf) 14 color repro-

ductions of paintings depicting battles of USS *Pensacola* during World War II (213554); 6 oil paintings of naval battles in Pacific Theater, World War II, painted by donor while serving in U. S. Navy (214259).

**Tibbetts, Ted**, Lubbock, Tex.: 21 bats from Texas (212226, 214014, 214512). (See also Texas Technological College)

**Tilden, Dr. J. W.**, San Jose, Calif.: 4 butterflies from North America (211536).

**Tipton, Capt. Vernon J.**, St. Louis, Mo.: 145 lice (213058).

**Titschack, Dr. E.** (See Altonaer Museum)

**Todd, Ruth.** (See Cole, Dr. W. Storrs)

**Tokioka, Takashi.** (See Scripps Institution of Oceanography)

**Tolman, Dr. Carl.** (See Washington University)

**Tomkins, Ivan R.**, Savannah, Ga.: 15 brackish-water and salt-marsh snails from Georgia (214056).

**Torrealba, Dr. José Francisco**, San Juan de los Morros, Venezuela: opossum from Venezuela (211657).

**Toshima, Arinobu**, Fujisaki, Aomori, Japan: 25 Japanese moths (212674).

**Townes, Dr. Henry K.**, Ann Arbor, Mich.: 1 bee, type, 1 wasp from the Philippines, type, 8 parasitic wasps (211706, 212679, 213068, exchange).

**Train, Russel E.**, Washington, D. C.: 87 miscellaneous insects and spiders from East Africa (214620).

**Traub, Lt. Col. Robert**, Kuala Lumpur, Malaya: 2 fleas from Borneo (214629). (See also Defense, Department of, *Department of the Army*)

**Treadon, Norman C.** (See Ohio Bell Telephone Company, The)

**Treasury, U. S. Department of the**, Washington, D. C.: *Bureau of Customs*: Mauser semi-automatic pistol and 26 automatic pistols, revolvers, and shotguns (213076, 213558, 214255). *Bureau of the Mint*: (Through Mrs. Rae V. Biester) 18 miscellaneous coins and 2 medals (214254). *Internal Revenue Service*: Harrington & Richardson shotgun, Royal Gun Works shotgun

(211563); Colt, single-action "Frontier" revolver (212876); 15 revolvers, pistols, shotgun, belt, and holsters (213075); Harrington and Richardson revolver (214758); (through Russell C. Harrington) 21,540 Internal Revenue stamps and tax paid forms (212191).

**Trimble, Randolph.** (See Hall, Thomas R.)

**Trinidad Regional Virus Laboratory**, Port of Spain, Trinidad: (Through Dr. Thomas H. G. Aitken) 248 vials of mites from Trinidad (214375).

**Troelsen, Dr. J. C.**, Copenhagen, Denmark: Approximately 100 Foraminifera from the Tertiary of Denmark and Sweden (211721, exchange).

**Tsuneki, Dr. T.** (See Fukui University)

**Tulane University, Newcomb College**, New Orleans, La.: 15 plants from Mexico (214639).

**Tvedt, Reidar.** (See United Nations Postal Administration)

**United Nations Postal Administration**, United Nations, N. Y.: 102 UN unused stamps (214281); (Through Reidar Tvedt) 2 first-day covers, with UN Day and Human Rights Day stamps (213085); 200 specimens of United Nations stamps (213398).

**Universidad Autónoma de San Luis Potosí, Laboratorio de Botánica**, San Luis Potosí, Mexico: 151 phanerogams, 144 grasses from Mexico, collected by Dr. Jerzy Rzedowski (213833, exchange).

**Universidad de la Republica, Montevideo**, Uruguay: (Through Dr. Carlos S. Carbonell) 8 porcellanids, 2 hermit crabs, 14 hippas, 56 crabs with 3 anemones (202180, exchange).

**Universidade do Rio Grande do Sul**, Porto Alegre, Brazil: 6 plants, 4 phanerogams from Brazil (211136, 211319).

**Universidad Nacional Mayor de San Marcos**, Lima, Peru: 32 plants from Peru (214300).

**Universität Graz, Geologisches Institut**, Graz, Austria: (Through Prof. Dr. K. Metz) 2 Permian brachiopods from Yugoslavia (209549, exchange).



**Universitatis Jagellenicae, Instituto Botanico**, Cracow, Poland: 96 phanerogams, 4 ferns from Poland (214026, exchange).

**University Museum**, Oxford, England: (Through Dr. E. A. Chapin) 4 ladybugs from Cayman Islands (215047).

**University of Oriente Museum**, Santiago de Cuba, Cuba: 27 wasps (212006).

**Usinowicz, Stanley J.**, Pompton Lakes, N. J.: Doverite from Mine Hill, N. J. (212895).

**Utah State Agricultural College**, Logan, Utah: 1 grass from New Mexico (214029); (through Dr. G. F. Knowlton) 9 aphids including paratypes (215053).

**Utah, University of**, Salt Lake City, Utah: 165 phanerogams, 48 grasses, 2 ferns from Grand Canyon National Monument (211593, exchange); (through Dr. R. V. Chamberlin) centipede from Texas (214772).

**Vail, Miss Folsom**, Oklahoma City, Okla.: Silver bracelet, embellished with decorative designs including arrows and swastika in intaglio, and fluted bosses in relief, made by Indian pupils at Fort Wingate Indian School, Gallup, N. Mex., and acquired by donor before 1932 (211053).

**Valentine, Jacob M., Jr.** (See Interior, U. S. Department of the)

**Valerio, Prof. Manuel**, San Jose, Costa Rica: 43 marine mollusks from Costa Rica (201664).

**Vanbellingen, René**, Genese, Belgium: 12 birds from Belgium (213229).

**van den Bold, W. A.**, The Hague, Holland: 18 slides containing 53 specimens of ostracodes from the Paleocene of Trinidad (214459).

**Vandercammen, Dr. A.**, Brussels, Belgium: 4 brachiopods of the Mississippian from Belgium (213049, exchange).

**Van Devanter, Winslow B.**, Washington, D. C.: Skull of bighorn ram, western saddle used by donor's father (212312).

**Van Engel, Dr. W. A.** (See Virginia Fisheries Laboratory)

**Van Noten, Jean**, Winter Park, Fla.: 12 Belgium Tuberculosis semi-postal issues (214898).

**Van Royen, Dr. Willem**, College Park, Md.: Miscellaneous items of Plains Indian dress (214357).

**Vargas C., Prof. César**, Cuzco, Peru: 61 phanerogams, 62 grasses from Peru, collected by donor (213097, 213292).

**Vari, Dr. L.**, Pretoria, Union of South Africa: 11 specimens of African microlepidoptera (211958, exchange).

**Vaurie, Mrs. Patricia.** (See American Museum of Natural History)

**Vazquez, Alberto W.**, Arlington, Va.: 3 land and fresh-water mollusks from Xilitla, San Luis Potosí, Mexico (212016); 6 scorpions and 4 centipedes from Mexico and Georgia (213282); 10 Mexican beetles (214634).

**Velich, Ralph**, Omaha, Nebr.: 16 dried turtle shells and skins collected by donor (213248).

**Verburg, Leonard H.** (See Wynn, Mrs. Ida Mae)

**Verheyen, Dr. René.** (See Institut Royal des Sciences Naturelles)

**Veterans Administration Center**, Dayton, Ohio: 4 oil paintings, 3 photographs, 1 crucifix pendant, and miscellaneous military material (214043).

**Villalobos F., Dr. Alejandro.** (See Instituto de Biología)

**Viret, Dr. J.** (See Muséum de Sciences Naturelles)

**Virginia Department of Agriculture and Immigration**, Richmond, Va.: 2 grasses from Virginia (212307, 212372).

**Virginia Fisheries Laboratory**, Gloucester Point, Va.: (Through Dr. Willis J. Hewatt) 10 gorgonians and anemones (211419); (through Jay D. Andrews) approximately 1,000 specimens of marine mollusks from the Chesapeake Bay area of Virginia (211532); (through Dr. W. A. Van Engel) 16 isopods from York River, Va. (213686).

**Virzi, Thomas**, New York, N. Y.: Dr. Jacob Hirsch marriage medal 1902 engraved by M. Gube (214868).

**Vockeroth, Dr. J. R.** (See Canada, Government of)

**Vogel, Dr. Karl M.**, New York, N. Y.: John Bliss transit (214854).

**Vondermuhll, George, Jr.**, Washington, D. C.: Flicker (212650).

**von Rosen, Dr. Hans**, Stockholm, Sweden: 12 chalcid-flies from Palearctic (214934).

**von Zielinski, Mrs. Carl M. J.**, Washington, D. C.: Christening dress, handwoven linen, 18th century (214252).

**Voous, Dr. K. H.** (See Zoologisch Museum)

**Voss, Gilbert L.** (See Manning, Mr. and Mrs. John)

**Wade, Bruce**, Murfreesboro, Tenn.: (Through Robert B. Neuman) 2 cephalopods of the Ordovician from Murfreesboro central basin, Tenn. (212658).

**Wagner, Dr. Edward**, Hamburg, Germany: 52 true bugs (211975, exchange); 41 plant bugs from Europe (214988, exchange).

**Wagner, Dr. Warren H., Jr.** (See Michigan, University of)

**Walcott Fund, Smithsonian Institution**: 10 Foraminifera from Eocene of Czechoslovakia (211716); 3 foraminiferal samples from Eocene of Virginia (211717); approximately 196 fossil mammals from Wyoming and Nebraska, collected by Dr. C. L. Gazin, Franklin L. Pearce and Theodore B. Ruhoff, July-August, 1956 (211932); 22 blocks of Permian limestone and 300 specimens of Permian invertebrates from Glass Mountains, Tex., 5,000 fossils of the Devonian and Mississippian of southern New Mexico, collected by Dr. G. A. Cooper, A. L. Bowsher, and J. Thomas Dutro, Jr., 1956 (213446).

**Walcott Fund and National Science Foundation Fund**: 8 gorgonians, 20 dredge samples with small mollusks and Foraminifera, 2,000 Recent mollusks, 50 fossil mollusks, 30 fossil bird bones, approximately 16 hydrocorals, 1 lot of bryozoans, collected in Bermuda by Dr. David Nicol, 1956 (212313).

**Waldron, Louis D.** (See Proprietors of the Locks and Canals on Merrimack River)

**Walker, Alex**, Tillamook, Oreg.: 2 Arctic clams from Alaska (213663).

**Walker, Dr. Boyd W.** (See California, University of, *Los Angeles campus*)

**Walker, Kenneth M.**, Tacoma, Wash.: 12 pocket gophers, including 2 type specimens, from Oregon and Washington (213657).

**Walker, Mrs. Louise K.** (deceased): (Through Mrs. Carol L. Congdon) overshoot coverlet weaving made in Franklin, Tenn., by Nancy Gadsy, grandmother of donor, about 1830 (211583).

**Wall, Dr. C. K.**, Thomasville, Ga.: Piece of Tertiary wood from Alabama (210814).

**Wall, Mrs. Robert H., Jr.**, Washington, D. C.: Collection of textile fragments and 2 reed objects from ruins of Pachacamac, Lima, Peru (213805).

**Wallace, Dr. George E.** (See Carnegie Museum)

**Wallen, Dr. I. E.**, Washington, D. C.: 6 land and fresh-water snails from Oklahoma and Tennessee (211205).

**Waller, Owen H.**, London, England: Bottle of "Buttler's Dr. Bateman's Pectoral Drops" and 2 bottles of "Dicey's Dr. Bateman's Pectoral Drops" (215014).

**Walsh, Louise**, Teufen, Santisgebiet, Switzerland: 2 birds from Taiwan, Formosa (213753).

**Walter, Dr. Waldemar M.**, Pullman, Wash.: 116 fresh-water mollusks from the Columbia River Basin Project, Wash. (210939).

**Walton, Capt. Bryce C.**, Washington, D. C.: 8 leeches, 2 egg cases and insects (212157).

**Walzer, Newton L.** (See Jordan Marsh Company)

**Ward, Philip H., Jr.**, Philadelphia, Pa.: 2,005 foreign stamps (212974).

**Warren, Dr. P. S.** (See Alberta, University of)

**Warsaw, Max**, Chicago, Ill.: 5 French porcelain drug jars, ca. 1857, 19th-century Mexican imitation porcelain drug jar (212530).

**Washington, State College of**, Pullman, Wash.: (Through Prof. George E. Hudson) 1 alcoholic bird (213924).

**Washington, University of, Seattle,** Wash.: 54 amphipods collected on sand beaches near Seattle (211210); (Through Dr. W. Wieser) 33 amphipods (209752); (through Dr. T. C. Frye) 43 bryophytes (212229, exchange); (through William Aron) 339 amphipods (212615, gift-exchange); (through Dr. N. S. Hinchey and Dr. Carl Tolman) 118 specimens of type fossils (214350).

**Watanabe, Dr. Chihisa.** (See Hokkaido University)

**Watkins, C. Malcolm,** Washington, D. C.: Fragmentary redware olive oil jar (214356).

**Watson, Mr. and Mrs. George H.,** Sturbridge, Mass.: Windsor settee, pair of 19th-century brass candlesticks, tree-trunk barrel, stave barrel (212648).

**Way, Mrs. Elwood J.,** Washington, D. C.: Embroidered baby shirt, handkerchief, 2 lace collars (212370).

**Webb, J. H.,** Rochester, N. Y.: mollusk holotype from Japan (212337).

**Webb, Walter F.,** St. Petersburg, Fla.: Starfish (211049).

**Weber, Jay A.,** Miami, Fla.: Approximately 150 miscellaneous mollusks, 2,000 bird lice (210949, 212597).

**Weber, Prof. Neal A.,** Swarthmore, Pa.: Frog and lizard from Zent, Costa Rica, collected by donor (211984).

**Weber, Dr. William A.** (See Colorado, University of)

**Wedgwood & Sons, Inc.,** Josiah, New York, N. Y.: Wedgwood plate, cup, and saucer made for White House during Theodore Roosevelt administration (214607).

**Weems, Howard V., Jr.** (See Florida, State Plant Board of)

**Weiss, Helena M.,** Washington, D. C.: Nicaragua envelope franked with pair of National Exposition overprints, 5-cent Social Assistance stamp (213459).

**Welch, Prof. Winona H.** (See DePauw University)

**Wells, Dr. Harry W.,** Durham, N. C.: 65 marine and fresh-water mollusks from North Carolina (210373).

**Welsh, Henry,** Port Elizabeth, South Africa: Monze meteorite from Northern Rhodesia (212270, exchange).

**Wenzel, Dr. Rupert.** (See Chicago Natural History Museum)

**Werner, Dr. Floyd G.** (See Arizona, University of)

**West Virginia University,** Morgantown, W. Va.: 6 plants, 39 phanerogams, 3 grasses, 3 ferns, from United States (212443, 214024, exchange); (through Dr. Frank J. Schwartz) 6 fishes from West Virginia (213596, exchange).

**Westerfield, Mrs. Jason,** Camden, Maine: Costumes and costume accessories of the 19th- and 20th-centuries, known as "The Peggy Westerfield Collection" (212105).

**Western Electric Company,** New York, N. Y.: Telephone equipment for the telephone exhibit (215010).

**Westinghouse Electric Corp.,** Newark, N. J.: (Through Barber-Colman Co.) Hendey Norton quick change gear lathe, 1899 (214382).

**Western Reserve University,** Cleveland, Ohio: (Through Dr. Charles C. Davis) 1 lot of hydroids from Lake County, Ohio (212788).

**Wetmore, Dr. Alexander,** Washington, D. C.: 6 coins from Panama and Curaçao (214865); (See also Johnson, Dr. Carl M. and Allan Cruickshank)

**Whealton, A. P.,** Black Creek, N. C.: Bottle of "Godfrey's Cordial" and bottle of "Bateman's Pectoral Drops." (215013)

**Wheeler, Dr. G. C.,** Grand Forks, N. Dak.: 2 chalcid flies, holotypes, from Costa Rica (214614).

**Wheeler, Dr. M. R.,** Austin, Tex.: 5 flies, 2 paratypes, 3 holotypes (212688).

**Wheeler, Mrs. William H., Jr.** (See Dingwell, Paul D.)

**Whelen, Col. Townsend,** Washington, D. C.: Packard bolt-action sporting rifle and 10 accompanying specimens, including carrying case (211562).

**Whitley, Col. Joseph H.,** San Anselmo, Calif.: 41 stone artifacts from Bonaparte, Iowa (213764).

- Whitman, Sol.**, New York, N. Y. 214 U. S. stamped envelopes and postcards (212190).
- Wieser, Dr. W.** (See Washington, University of)
- Wiggins, Dr. Ira L.**, Stanford, Calif.: Harbor seal from Alaska (212211).
- Wigley, Roland L.** (See Interior, U. S. Department of the)
- Wilder, R. S., Co.**, Waltham, Mass.: (Through Lloyd S. Gates) bench micrometer (213297).
- William and Mary, College of**, Williamsburg, Va.: 3 plants (212175).
- Williams, Dr. Austin B.** (See North Carolina, University of)
- Williams, Catherine**, Alexandria, Va.: British military musket (214388).
- Williams, Dr. F. X.**, La Mesa, Calif.: Wasp from Baja California (214480).
- Williams, Julian**, Norwich, Conn.: Wag-on-the-Wall clock (213294).
- Williams, Dr. Louis O.** (See Escuela Agrícola Panamericana)
- Williams, Mrs. Marthena Harrison**, Washington, D. C.: Theater program printed on blue satin for performance at New National Theatre, Washington, D. C., 1892, official program of tour of President Benjamin Harrison to West Coast, 1891, small engraving of Alvin Saunders, 1817-1899, U. S. Senator (211566).
- Williams, Dr. Robert V.**, Tucson, Ariz.: 10 centipedes from Arizona (214227).
- Wilson, Dr. E. O.** (See Harvard University)
- Wilson, Eunice C.**, Kingston, N. Y.: (Through Cora E. Gillis) walking stick (214258).
- Wilson, Mrs. Mildred S.**, Anchorage, Alaska: 11 specimens of copepod types (211258).
- Wilson, Orme**, Washington, D. C., and **Wilson, R. Thornton**, New York, N. Y.: Piece of printed cotton depicting fisherman's home and his departure (214739).
- Wilson, R. Thornton.** (See Wilson, Orme)
- Wimsatt, W. K.**, Washington, D. C.: Brass medal commemorating President John Adams (214859).
- Winn, Dr. Howard E.** (See Maryland, University of)
- Winokur, Seymour.** (See Winokur, Dr. William)
- Winokur, Dr. William, and Winokur, Seymour**, Detroit, Mich.: Collection of 1,046 specimens of stamps, covers, and postal stationery of Albania (213079).
- Wires, E. Stanley**, Wellesley Hills, Mass.: 23 Dutch and 24 Spanish tiles (212645).
- Wiseman, R. B.** (See North Electric Company)
- Witt, William L.**, Arlington, Va.: 208 reptiles and amphibians from Virginia (214583).
- Wolfe, Col. L. R.**, Kerrville, Tex.: 1 downy young of insect hawk, 1 cave swallow, 2 hawks (212174, 214791).
- Wolff, Dr. Torben.** (See Copenhagen, University of)
- Wolters, Mrs. C. F.**, Swarthmore, Pa.: 22 numismatic items relating to Christian Gobrecht, engraver of U. S. Mint, mid-19th century (214761).
- Wood, Jennings.** (See Library of Congress)
- Woodcock, H. E.**, Chicago, Ill.: Moth from Key Largo, Fla. (213065); Tropical crab-spider from Florida (213373).
- Woodring, Dr. W. P.** (See Interior, U. S. Department of the)
- Woods, Mrs. E. Charles**, Alexandria, Va.: Kerosene lamp, Adams & Westlake (212527).
- Woolley, Mrs. Florence T.**, Denver, Colo.: 5 polished agates and 1 jasper sphere from the Cloyd F. Woolley collection (213752).
- Woolworth, Dr. Alan R.** (See North Dakota, State Historical Society of)
- World Health Organization, Pan American Sanitary Bureau**, Washington, D. C.: (Through F. L. Soper and E. C. Chamberlayne) 38 rodents from Peru (211041).
- Wright, Dr. W. H.** (See Health, Education and Welfare, Department of)
- Wynn, Mrs. Ida Mae**, Oakland, Calif. (Through Leonard H. Verbar) Book of Common Prayer, ca. 1870, and a signal flag (212781).

**Wyoming, University of, Laramie,** Wyo.: 2 grasses from Wyoming (208186).

**Yachting, New York, N. Y.:** (Through W. H. de Fontaine) 26 drawings of Far East vessels by W. M. Blake (213826).

**Yasmatsu, Dr. Keizo, Fukuoka,** Japan: 13 bees, including 9 species, from Japan (212871); 36 specimens of 11 species of Japanese ants, including 4 paratypes (213278, exchange); 4 wasps, paratypes (214631).

**Yates, Mrs. Julian, Washington, D. C.;** Crossbelt plate, U. S. Army, period of Civil War, found on battlefield of Cold Harbor (211564).

**Yunker, Dr. Conrad E.** (See Defense, U. S. Department of, Department of the Navy)

**Yugoslavia, Government of, Direction Generale des Postes, Belgrade:** 32 stamps and covers (215024).

**Zehring, Mrs. Robert W., Silver Spring, Md.:** Black silk faille short coat worn by Caroline B. Lorenz, Dayton, Ohio, 1902; pair of hand-knit black silk stockings, 19th century (211348).

**Zetek, James, Balboa, Canal Zone:** Gold medal commemorating the first crossing of the Panama Canal and the

Gorgas Institute bronze medal struck in 1923 (214574); 60 specimens of the 10-cent Canal Zone postage stamp issued in 1948 for the 25th anniversary of the establishment of Canal Zone Biological Area, Barro Colorado Island, and a photograph of coatimundi used for the design, selected by Meade Bolten (211555).

**Ziesenhenne, Fred C., Los Angeles, Calif.:** Collection of brittle stars and sea urchins from Samoa (175778).

**Zigrosser, Carl.** (See Boegner Foundation, Margaret Grace)

**Zoological Museum, The, Hertfordshire, England:** (Through F. G. A. M. Smit) 4 fleas from Africa (214845).

**Zoölogisch Museum, Amsterdam, Netherlands:** (Through Dr. J. J. Hoedeman) 77 fishes from Indo-Pacific region (211066, exchange; (through Dr. K. H. Voous) 1 young hawk (211666, exchange).

**Zoölogisch Museum en Laboratorium, Buitenzorg, Java:** 11 echinoderms (118266).

**Zumt, Dr. F., Johannesburg, South Africa:** 8 true lice from Africa (213056). (See also South African Institute for Medical Research)





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